

**Table 26. Federal obligations for basic research, by agency:  
fiscal years 1974-81**

[Dollars in thousands]

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Agency	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies .....	2,387,681	2,588,427	2,767,454	3,258,640	3,698,604	4,192,665	4,674,156	5,041,295
Departments:								
Department of Agriculture, total .....	145,611	154,184	171,371	204,450	242,704	256,420	275,650	314,128
Agricultural Research Service .....	NA	NA	NA	NA	NA	NA	NA	186,436
Cooperative State Research, Education, & Extension Svc .....	NA	NA	NA	NA	NA	NA	NA	83,852
Economic Research Service .....	NA	NA	NA	NA	NA	NA	NA	3,584
Economics, Statistics, & Cooperative Service <sup>1</sup> .....	5,457	3,460	4,025	3,770	3,924	6,390	NA	NA
Economics & Statistics Svc <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	6,592	NA
Forest Service .....	20,685	21,098	22,572	26,718	30,840	31,400	33,727	38,091
Office of International Cooperation & Development .....	NA	NA	NA	NA	NA	0	2,336	1,703
Office of Transportation .....	NA	NA	NA	NA	NA	0	0	462
Science & Education Administration .....	119,469	129,626	144,774	173,962	207,940	218,630	232,995	NA
Department of Commerce, total .....	7,681	8,109	11,001	12,302	11,806	11,900	15,910	16,204
Bureau of the Census .....	211	218	182	200	507	600	543	438
Economic Development Admin .....	0	0	1,675	1,000	2,690	500	300	200
Maritime Administration <sup>3</sup> .....	1,154	1,706	1,164	1,200	2,700	2,000	2,000	NA
Minority Business Dvlpmnt Agcy .....	0	0	0	200	0	0	0	0
National Fire Prevention & Control Administration <sup>4</sup> .....	NA	700	2,066	2,684	NA	NA	NA	NA
Nat'l Inst of Standards & Tech .....	6,152	5,353	5,798	6,918	5,909	8,800	12,784	15,566
National Telecommunications & Information Administration .....	NA	NA	NA	100	0	0	0	0
Office of the Secretary .....	0	0	0	0	0	0	283	0
Office of Telecommunications .....	164	132	116	NA	NA	NA	NA	NA
Department of Defense, total .....	302,943	300,065	326,885	373,254	410,410	471,527	540,341	604,285
Department of the Army, total .....	76,346	71,690	81,386	99,039	104,073	115,040	132,190	148,089
Department of the Army, Civil Functions .....	0	0	640	552	630	982	1,190	1,089
Department of the Army, Military Functions .....	76,346	71,690	80,746	98,487	103,443	114,058	131,000	147,000
Department of the Navy .....	114,194	118,702	129,673	153,769	172,088	192,122	214,900	238,000
Dept of the Air Force .....	77,503	78,941	83,926	84,800	95,100	105,025	108,200	125,800
Defense Agencies .....	34,900	30,732	31,900	35,646	39,149	59,340	85,051	92,396
Department of Education .....	NA	NA	NA	NA	NA	20,567	17,583	0
Department of Energy <sup>5</sup> .....	NA	NA	NA	389,450	440,534	462,968	523,136	586,340
Department of Health, Education, & Welfare, total .....	850,065	903,747	986,172	1,119,495	1,292,339	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration .....	53,297	66,245	52,557	62,670	79,917	NA	NA	NA
Health Resources Admin .....	7,373	0	3,064	0	0	NA	NA	NA
Health Services Administration .....	630	1,218	285	2,031	636	NA	NA	NA
National Inst of Education .....	4,800	1,894	5,081	11,880	18,276	NA	NA	NA
National Institutes of Health .....	775,300	828,520	920,312	1,032,776	1,181,094	NA	NA	NA
Office of Assistant Secretary for Health .....	0	0	0	4,006	5,120	NA	NA	NA
Office of Education .....	166	0	0	0	0	NA	NA	NA
Office of Human Dvlpmnt Svcs .....	0	0	0	2,178	2,223	NA	NA	NA
Office of International Health .....	2,708	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary .....	4,161	4,068	4,873	3,954	5,073	NA	NA	NA
Social Security Administration .....	1,630	1,802	0	0	0	NA	NA	NA
Dept of Hlth & Human Svcs, total .....	NA	NA	NA	NA	NA	1,576,011	1,762,668	1,900,384
Alcohol, Drug Abuse, & Mental Health Administration .....	NA	NA	NA	NA	NA	94,622	104,736	116,309
Health Services Administration .....	NA	NA	NA	NA	NA	1,988	2,032	3,800
Human Development Services .....	NA	NA	NA	NA	NA	0	0	446
National Institutes of Health .....	NA	NA	NA	NA	NA	1,463,703	1,642,341	1,766,788
Office of the Assistant Secretary for Health .....	NA	NA	NA	NA	NA	13,615	11,560	12,441
Office of the Secretary .....	NA	NA	NA	NA	NA	2,083	1,999	600

See explanatory information, if any, and SOURCE at end of table.

**Table 26. Federal obligations for basic research, by agency:  
fiscal years 1974-81**

[Dollars in thousands]

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Agency	1974	1975	1976	1977	1978	1979	1980	1981
Department of the Interior, total .....	48,681	54,944	54,330	63,579	65,876	72,522	71,634	80,663
Bonneville Power Admin .....	0	0	0	0	0	0	0	420
Bureau of Mines .....	5,637	1,935	800	4,000	8,600	13,700	11,500	13,600
Bureau of Reclamation .....	118	44	70	120	150	100	200	118
Geological Survey .....	27,193	38,606	39,533	40,318	46,288	49,009	47,319	53,493
National Park Service .....	954	628	555	0	0	0	0	0
Office of the Secretary .....	0	0	975	3,176	1,738	1,413	2,233	1,514
Office of Water Rsch & Tech .....	3,738	3,855	3,565	2,865	4,600	4,600	6,600	7,630
US Fish & Wildlife Svc .....	11,041	9,876	8,832	13,100	4,500	3,700	3,782	3,888
Department of Justice, total .....	2,089	9,465	4,500	5,100	14,700	7,900	9,525	4,631
Office of Justice Programs .....	2,089	9,465	4,500	5,100	14,700	7,900	9,525	4,631
Department of Labor, total .....	1,199	877	958	703	3,678	2,286	3,876	3,740
Employment & Training Admin .....	583	543	632	558	3,528	1,786	3,876	3,740
Labor-Management Svcs Admin .....	616	334	326	145	150	500	0	0
Department of State, total <sup>6</sup> .....	0	1,500	0	0	0	45	0	0
Agency for Internat'l Dvlpmt <sup>6</sup> .....	0	1,500	0	0	0	NA	NA	NA
Departmental Funds .....	0	0	0	0	0	45	0	0
Dept of Transportation, total .....	275	75	0	0	0	0	0	1,210
Coast Guard .....	175	75	0	0	0	0	0	260
Maritime Administration <sup>3</sup> .....	NA	NA	NA	NA	NA	NA	NA	650
Office of the Secretary .....	100	0	0	0	0	0	0	0
Rsch & Special Programs Admin .....	NA	NA	NA	0	0	0	0	300
Department of the Treasury, total .....	0	0	0	0	0	220	1,731	2,344
Internal Revenue Service .....	0	0	0	0	0	220	1,731	2,344
Department of Veterans Affairs .....	3,560	3,880	8,900	9,095	8,891	9,523	14,300	15,000
Other agencies:								
ACTION .....	80	115	32	51	0	0	0	0
Civil Service Commission .....	196	559	307	394	NA	NA	NA	NA
Consumer Product Safety Comm .....	0	0	0	0	0	0	0	60
Energy Research & Dvlpmt Admin <sup>5</sup> .....	269,504	312,758	345,790	NA	NA	NA	NA	NA
Environmental Protection Agency .....	9,500	17,400	13,700	8,296	6,010	10,100	13,600	10,500
Federal Emergency Management Agency, total <sup>7</sup> 4 .....	NA	NA	NA	NA	2,847	3,014	2,642	2,639
National Fire Prevention & Control Administration <sup>4</sup> .....	NA	NA	NA	NA	2,847	0	0	0
Federal Trade Commission .....	0	0	300	361	452	445	1,495	935
Foundation for Educational Assistance .....	NA	NA	NA	NA	NA	NA	NA	20,576
General Services Administration .....	510	284	63	99	1,781	14	0	0
Library of Congress .....	0	0	171	140	130	100	100	200
Nat'l Aeronautics & Space Admin .....	305,857	309,335	293,209	413,774	479,729	512,847	559,113	531,122
National Science Foundation .....	415,217	485,989	523,634	624,900	678,040	733,255	815,246	896,569
Off of Telecommunications Policy .....	0	356	396	NA	NA	NA	NA	NA
Smithsonian Institution .....	24,713	24,785	25,735	29,651	34,896	36,901	41,006	44,861
Tennessee Valley Authority .....	0	0	0	3,546	3,781	4,100	4,600	4,800
United States Information Agcy <sup>8</sup> .....	0	0	0	0	0	0	0	104

<sup>1</sup> Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

<sup>2</sup> Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

<sup>3</sup> In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

<sup>4</sup> Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

<sup>5</sup> In 1977 the Energy Research & Development Administration became part of the Department of Energy.

<sup>6</sup> The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

<sup>7</sup> Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

<sup>8</sup> Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

**KEY:** NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 26A. Federal obligations for basic research, by agency:  
fiscal years 1982-89**

[Dollars in thousands]

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Agency	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies .....	5,481,605	6,260,131	7,067,359	7,818,682	8,153,076	8,942,425	9,473,618	10,602,011
Departments:								
Department of Agriculture, total .....	330,755	362,019	392,649	445,388	432,857	445,464	480,588	484,928
Agricultural Research Service .....	192,908	215,300	240,600	250,200	247,700	253,410	271,140	282,696
Cooperative State Research, Education, & Extension Svc .....	91,323	98,809	99,552	141,523	131,688	132,773	145,824	142,605
Economic Research Service .....	3,927	3,878	4,400	4,635	4,458	6,267	6,735	6,931
Forest Service .....	38,690	38,760	41,176	44,130	42,182	49,421	51,600	50,000
National Agricultural Statistics Service .....	2,300	2,500	2,700	2,761	2,635	1,116	1,188	953
Office of International Cooperation & Development .....	1,126	2,314	3,596	1,538	3,685	1,946	3,563	1,743
Office of Transportation .....	481	458	625	601	509	531	538	NA
Department of Commerce, total .....	16,867	19,221	20,613	23,227	26,523	25,779	30,858	29,099
Bureau of the Census .....	309	299	404	372	507	726	1,342	1,163
Economic Development Admin .....	0	527	0	0	0	0	0	0
Nat'l Inst of Standards & Tech .....	16,536	18,363	20,209	22,065	25,679	25,053	26,278	27,936
National Oceanic & Atmospheric Administration .....	0	0	0	0	0	0	3,238	0
Office of the Secretary .....	22	32	0	790	337	0	0	0
Department of Defense, total .....	686,684	785,620	847,857	861,407	923,915	907,599	876,922	947,927
Department of the Army, total .....	187,662	208,320	222,090	240,753	248,450	216,972	165,727	187,168
Department of the Army, Civil Functions .....	1,162	1,720	1,390	1,395	2,515	2,968	3,620	2,695
Department of the Army, Military Functions .....	186,500	206,600	220,700	239,358	245,935	214,004	162,107	184,473
Department of the Navy .....	280,300	305,400	315,765	343,110	337,267	354,255	341,805	354,037
Dept of the Air Force .....	145,800	164,200	192,359	198,298	216,483	221,584	196,382	202,804
Defense Agencies .....	72,922	107,700	117,643	79,246	121,715	114,788	173,008	203,918
Department of Education .....	14,199	14,182	12,221	14,642	4,522	3,119	4,354	4,439
Department of Energy <sup>1</sup> .....	642,211	767,718	830,432	942,592	959,668	1,068,465	1,184,808	1,410,902
Dept of Hlth & Human Svcs, total .....	2,144,694	2,475,400	2,814,525	3,232,547	3,338,767	3,827,918	4,081,403	4,388,007
Alcohol, Drug Abuse, & Mental Health Administration .....	117,331	144,950	170,843	196,750	203,360	232,158	265,752	307,980
Health Resources & Svcs Admin .....	600	800	800	905	1,020	1,346	1,079	1,180
Human Development Services .....	434	0	0	0	0	0	0	0
National Institutes of Health .....	2,020,650	2,313,026	2,624,774	3,018,004	3,118,600	3,575,515	3,795,127	4,053,297
Office of the Assistant Secretary for Health .....	5,679	16,624	18,108	16,888	15,787	18,899	19,445	25,550
Department of the Interior, total .....	76,454	103,033	125,921	138,274	132,986	134,874	126,464	188,907
Bureau of Mines .....	15,922	23,479	40,496	49,866	44,945	45,592	32,052	43,941
Bureau of Reclamation .....	90	99	145	300	100	100	100	2
Geological Survey <sup>2</sup> .....	52,625	64,721	78,881	80,538	83,379	84,882	89,512	140,164
Office of the Secretary .....	480	7,379	91	1,870	962	0	0	0
Office of Water Rsch & Tech <sup>2</sup> .....	3,265	455	367	NA	NA	NA	NA	NA
US Fish & Wildlife Svc .....	4,072	6,900	5,941	5,700	3,600	4,300	4,800	4,800
Department of Justice, total .....	3,087	3,640	4,708	4,195	5,326	8,052	7,590	6,797
Office of Justice Programs .....	3,087	3,640	4,708	4,195	5,326	8,052	7,590	6,797
Department of Labor, total .....	6,508	5,263	5,020	3,250	870	1,416	360	318
Employment & Training Admin .....	6,508	5,263	5,020	3,250	870	1,416	360	318
Department of State .....	0	0	0	0	0	2,642	3,116	3,437
Dept of Transportation, total .....	1,000	900	3,481	1,063	608	174	0	0
Coast Guard .....	0	400	0	0	0	0	0	0
Maritime Administration .....	1,000	500	3,481	1,063	608	174	0	0
Department of the Treasury, total .....	2,196	3,509	3,987	4,754	5,058	4,683	4,805	3,358
Bureau of Engraving & Printing .....	0	600	798	325	384	100	52	473
Internal Revenue Service .....	2,196	2,909	3,189	4,429	4,482	4,400	4,659	2,885
United States Secret Service .....	0	0	0	0	192	183	94	0
Department of Veterans Affairs .....	12,900	14,100	15,800	15,400	14,800	17,200	17,300	16,600

See explanatory information, if any, and SOURCE at end of table.

**Table 26A. Federal obligations for basic research, by agency:  
fiscal years 1982-89**

[Dollars in thousands]

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Agency	1982	1983	1984	1985	1986	1987	1988	1989
Other agencies:								
Environmental Protection Agency .....	32,687	22,217	29,625	38,634	38,489	31,075	27,196	50,711
Federal Emergency Management Agency, total .....	1,438	0	0	0	0	0	0	0
Federal Trade Commission .....	1,009	1,159	1,324	1,474	1,553	0	0	0
General Services Administration <sup>3</sup> .....	0	0	50	70	0	0	0	0
International Development Cooperation Agency .....	0	4,090	2,952	1,720	4,262	2,798	3,005	3,060
Agency for Internat'l Dvlpmnt .....	0	4,090	2,952	1,720	4,262	2,798	3,005	3,060
Library of Congress .....	148	331	641	641	407	390	400	367
Nat'l Aeronautics & Space Admin .....	535,733	617,033	754,500	750,900	916,700	1,013,717	1,112,713	1,417,410
Nat'l Archives & Records Admin <sup>3</sup> .....	NA	NA	NA	134	0	465	246	55
National Science Foundation .....	916,078	999,136	1,132,340	1,261,807	1,275,221	1,371,169	1,433,190	1,562,629
Smithsonian Institution .....	52,357	55,960	63,613	71,063	63,273	71,508	75,096	80,152
Tennessee Valley Authority .....	4,600	5,600	5,100	5,500	7,271	3,918	3,204	2,908

<sup>1</sup> In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

<sup>2</sup> As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

<sup>3</sup> As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

**KEY:** NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 26B. Federal obligations for basic research, by agency:  
fiscal years 1990-97**

[Dollars in thousands]

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Agency	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies .....	11,285,593	12,170,794	12,489,864	13,399,121	13,552,858	13,895,493	14,482,056	14,732,254
Departments:								
Department of Agriculture, total .....	519,190	557,578	595,153	615,941	606,255	594,903	586,329	607,823
Agricultural Marketing Service .....	540	0	0	0	0	0	0	0
Agricultural Research Service <sup>1</sup> .....	294,046	309,676	326,090	341,048	366,483	368,966	367,666	376,173
Cooperative State Research, Education, & Extension Svc <sup>2</sup> .....	153,726	170,400	189,581	192,451	194,682	185,992	180,744	193,227
Economic Research Service .....	7,075	7,612	8,242	10,606	9,939	5,383	5,313	5,495
Foreign Agricultural Service <sup>3</sup> .....	0	0	0	0	581	343	1,067	1,067
Forest Service .....	60,300	66,600	68,900	69,400	33,300	32,897	30,260	30,564
National Agricultural Statistics Service .....	917	1,067	1,181	1,277	1,270	1,322	1,279	1,297
Office of International Cooperation & Development <sup>3</sup> .....	2,586	2,223	1,159	1,159	0	NA	NA	NA
Department of Commerce, total .....	31,382	34,332	34,517	37,201	40,119	39,258	37,529	38,774
Bureau of the Census .....	2,812	2,449	943	355	309	312	307	307
Nat'l Inst of Standards & Tech .....	28,570	31,883	33,574	36,506	39,810	38,946	37,222	38,467
National Oceanic & Atmospheric Administration .....	0	0	0	340	0	0	0	0
Department of Defense, total .....	947,621	994,154	1,098,945	1,268,238	1,222,258	1,264,113	1,134,158	1,145,751
Department of the Army, total .....	185,075	188,593	204,902	215,739	213,270	218,790	190,418	204,793
Department of the Army, Civil Functions <sup>4</sup> .....	3,550	4,593	4,902	5,033	5,138	4,823	2,156	1,950
Department of the Army, Military Functions .....	181,525	184,000	200,000	210,706	208,132	213,967	188,262	202,843
Department of the Navy .....	365,032	388,000	393,814	422,000	400,144	409,419	373,175	386,754
Dept of the Air Force .....	197,045	209,225	205,800	218,737	242,384	206,776	233,793	233,999
Defense Agencies .....	200,469	208,336	294,429	411,762	366,460	429,128	336,772	320,205
Department of Education .....	4,922	8,552	7,513	5,323	5,519	5,535	3,459	2,937
Department of Energy .....	1,504,796	1,686,453	1,736,404	1,754,831	1,603,223	1,634,353	1,956,610	2,034,582
Dept of Hlth & Human Svcs, total .....	4,649,031	5,050,114	5,058,703	5,696,697	5,883,983	6,061,057	6,441,509	6,558,265
Administration on Aging <sup>5</sup> .....	NA	0	0	0	0	0	171	0
Agency for Health Care Policy & Research <sup>6</sup> .....	0	0	0	0	811	0	0	0
Alcohol, Drug Abuse, & Mental Health Administration <sup>7</sup> .....	386,181	459,093	NA	NA	NA	NA	NA	NA
Health Resources & Svcs Admin .....	1,150	1,521	1,295	1,107	802	1,010	800	800
Nat'l Institutes of Health <sup>7</sup> .....	4,261,700	4,589,500	5,057,408	5,695,590	5,882,370	6,060,047	6,440,538	6,557,465
Department of the Interior, total .....	205,431	229,294	230,920	230,259	83,222	55,179	55,863	56,891
Bureau of Land Management .....	0	1,097	637	637	0	0	0	0
Bureau of Mines .....	40,647	42,792	43,746	44,598	25,421	0	NA	NA
Bureau of Reclamation .....	100	100	0	0	0	0	0	0
Geological Survey <sup>8</sup> .....	159,084	179,105	180,137	178,016	43,465	41,649	55,460	56,341
National Biological Svc <sup>9</sup> .....	NA	NA	NA	0	13,666	13,000	NA	NA
National Park Service <sup>9</sup> .....	0	0	0	630	670	530	403	550
US Fish & Wildlife Svc <sup>9</sup> .....	5,600	6,200	6,400	6,378	0	0	0	0
Department of Justice, total .....	8,802	6,386	5,329	5,045	5,857	8,121	8,300	12,400
Office of Justice Programs .....	8,802	6,386	5,329	5,045	5,857	8,121	8,300	12,400
Department of Labor, total .....	300	300	224	5,550	5,829	11,600	11,500	11,300
Bureau of Labor Statistics .....	0	0	0	5,400	5,600	11,600	11,500	11,300
Employment & Training Admin .....	300	300	200	150	229	0	0	0
Pension Benefit Guaranty Corp .....	0	0	24	0	0	0	0	0
Department of State <sup>10</sup> .....	3,527	4,598	4,869	4,793	7,849	4,510	3,750	3,750
Dept of Transportation, total .....	0	0	1,170	1,656	3,007	46,880	45,721	54,313
Federal Highway Administration .....	0	0	1,170	1,656	3,007	46,880	45,721	54,313
Department of the Treasury, total .....	3,360	3,576	3,576	6,497	21	41	53	29
Bureau of Engraving & Printing .....	0	0	0	0	21	41	53	29
Internal Revenue Service <sup>11</sup> <sup>12</sup> .....	3,360	3,576	3,576	6,497	0	0	0	0
Department of Veterans Affairs .....	16,200	16,100	15,700	13,339	14,373	12,390	14,372	13,654

See explanatory information, if any, and SOURCE at end of table.

**Table 26B. Federal obligations for basic research, by agency:  
fiscal years 1990-97**

[Dollars in thousands]

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Agency	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Other agencies:								
Environmental Protection Agency .....	73,632	91,224	110,400	89,149	101,360	70,297	65,914	75,085
International Development Cooperation Agency .....	5,031	5,684	5,805	8,376	1,775	2,297	2,444	4,870
Agency for Internat'l Dvlpmnt <sup>10</sup> .....	5,031	5,684	5,805	8,376	1,775	2,297	2,444	4,870
Library of Congress .....	295	373	354	349	434	512	442	458
Nat'l Aeronautics & Space Admin .....	1,636,926	1,705,575	1,738,171	1,800,087	1,963,909	1,978,193	2,009,237	1,884,953
Nat'l Archives & Records Admin .....	155	356	495	150	150	0	0	0
National Science Foundation .....	1,586,276	1,676,205	1,741,472	1,743,770	1,870,669	1,973,264	1,967,676	2,089,619
Smithsonian Institution .....	83,987	97,999	97,999	102,000	124,176	124,000	125,400	136,800
Tennessee Valley Authority .....	4,729	1,941	2,145	9,870	8,870	8,990	11,790	0

- 1 The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- 2 The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- 3 The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- 4 The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.
- 5 In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- 6 In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- 7 Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- 8 As of FY 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 9 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 10 Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- 11 Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- 12 Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.

**KEY:** NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 27. Federal obligations for basic research, by performer:  
fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 1

Performer	1974	1975	1976	1977	1978	1979	1980	1981
Total .....	2,387,681	2,588,427	2,767,454	3,258,640	3,698,604	4,192,665	4,674,156	5,041,295
Intramural <sup>1</sup> .....	695,898	733,512	786,017	914,084	1,029,258	1,089,126	1,182,465	1,301,827
Industrial firms excl FFRDCs .....	123,963	118,506	131,077	208,130	247,715	277,074	325,276	292,916
FFRDCs admin by indust firms .....	31,545	47,857	59,811	53,065	65,416	66,642	70,352	73,278
Univ & col excluding FFRDCs .....	1,144,748	1,260,609	1,341,738	1,555,067	1,759,234	2,079,925	2,320,253	2,503,223
FFRDCs administered by univ .....	223,098	257,548	284,884	324,119	356,772	393,607	436,824	490,565
Nonprofit inst excluding FFRDCs ...	127,067	128,234	126,494	162,530	192,766	240,317	279,503	313,140
FFRDCs admin by nonprofit inst ....	6,210	13,824	7,892	5,645	5,769	6,700	7,509	8,638
State and local governments .....	16,812	14,009	12,914	15,603	17,050	19,758	23,875	26,530
Foreign .....	18,340	14,328	16,627	20,397	24,624	19,516	28,099	31,178

<sup>1</sup> Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

**KEY:** FFRDCs = Federally funded research and development centers

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 27A. Federal obligations for basic research, by performer:  
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 1

Performer	1982	1983	1984	1985	1986	1987	1988	1989
Total .....	5,481,605	6,260,131	7,067,359	7,818,682	8,153,076	8,942,425	9,473,618	10,602,011
Intramural <sup>1</sup> .....	1,465,534	1,689,837	1,861,076	1,923,412	2,018,877	2,046,202	2,050,264	2,313,438
Industrial firms excl FFRDCs .....	270,896	292,908	377,909	380,120	511,617	466,953	596,894	773,233
FFRDCs admin by indust firms .....	87,384	82,961	91,090	122,595	117,561	119,928	133,037	223,872
Univ & col excluding FFRDCs .....	2,727,126	3,112,307	3,530,806	4,038,709	4,132,073	4,665,622	4,868,297	5,221,354
FFRDCs administered by univ .....	516,704	603,956	668,880	724,205	724,130	906,703	989,811	1,098,059
Nonprofit inst excluding FFRDCs ...	355,605	409,585	473,575	555,786	572,139	657,702	728,644	838,871
FFRDCs admin by nonprofit inst ....	8,990	8,031	8,187	12,441	12,985	13,302	17,673	42,192
State and local governments .....	24,473	32,068	28,128	30,546	30,949	37,507	42,709	43,553
Foreign .....	24,893	28,478	27,708	30,868	32,745	28,506	46,289	47,439

<sup>1</sup> Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

**NOTE:** In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

**KEY:** FFRDCs = Federally funded research and development centers

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997



**Table 27B. Federal obligations for basic research, by performer:  
fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 1

Performer	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total .....	11,285,593	12,170,794	12,489,864	13,399,121	13,552,858	13,895,493	14,482,056	14,732,254
Intramural <sup>1</sup> .....	2,294,618	2,391,625	2,337,595	2,661,779	2,504,957	2,712,918	2,413,879	2,667,782
Industrial firms excl FFRDCs .....	887,485	949,943	920,349	896,253	1,109,111	1,221,211	1,225,733	1,279,074
FFRDCs admin by indust firms .....	246,804	263,995	247,230	243,603	237,622	239,112	339,947	368,295
Univ & col excluding FFRDCs .....	5,548,169	6,064,497	6,331,777	6,833,734	7,024,193	6,951,307	7,753,554	7,405,489
FFRDCs administered by univ .....	1,227,261	1,306,245	1,394,148	1,402,662	1,336,044	1,438,315	1,503,521	1,519,706
Nonprofit inst excluding FFRDCs ...	924,100	1,015,454	1,097,168	1,164,896	1,125,657	1,134,172	1,062,119	1,270,164
FFRDCs admin by nonprofit inst ....	59,240	80,840	65,473	71,257	73,942	75,217	71,617	82,910
State and local governments .....	50,358	49,134	42,370	71,687	75,218	78,705	70,370	92,313
Foreign .....	47,558	49,061	53,754	53,250	66,114	44,536	41,316	46,521

<sup>1</sup> Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

**KEY:** FFRDCs = Federally funded research and development centers

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 28. Federal obligations to intramural performers for basic research, by agency:  
fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 2

Agency	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies .....	695,898	733,512	786,017	914,084	1,029,258	1,089,126	1,182,465	1,301,827
Departments:								
Department of Agriculture, total .....	102,672	107,477	119,645	144,206	160,599	168,895	179,538	202,175
Agricultural Research Service .....	NA	NA	NA	NA	NA	NA	NA	163,337
Cooperative State Research, Education, & Extension Svc .....	NA	NA	NA	NA	NA	NA	NA	2,943
Economic Research Service .....	NA	NA	NA	NA	NA	NA	NA	3,416
Economics, Statistics, & Cooperative Service <sup>1</sup> .....	5,374	3,386	3,880	3,680	3,649	6,218	NA	NA
Economics & Statistics Svc <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	5,980	NA
Forest Service .....	16,452	15,973	18,951	20,677	24,104	24,512	28,328	31,649
Office of International Cooperation & Development .....	NA	NA	NA	NA	NA	0	334	368
Office of Transportation .....	NA	NA	NA	NA	NA	0	0	462
Science & Education Administration .....	80,846	88,118	96,814	119,849	132,846	138,165	144,896	NA
Department of Commerce, total .....	6,013	5,768	7,584	7,743	5,956	8,987	12,577	14,543
Bureau of the Census .....	111	103	182	33	371	442	187	273
Economic Development Admin .....	0	0	270	40	10	2	2	2
Maritime Administration <sup>3</sup> .....	150	193	23	56	90	3	200	NA
Minority Business Dvlpmnt Agcy .....	0	0	0	200	0	0	0	0
National Fire Prevention & Control Administration <sup>4</sup> .....	NA	495	1,758	1,220	NA	NA	NA	NA
Nat'l Inst of Standards & Tech .....	5,588	4,845	5,235	6,094	5,485	8,540	12,158	14,268
National Telecommunications & Information Administration .....	NA	NA	NA	100	0	0	0	0
Office of the Secretary .....	0	0	0	0	0	0	30	0
Office of Telecommunications .....	164	132	116	NA	NA	NA	NA	NA
Department of Defense, total .....	144,630	142,712	161,916	165,574	163,718	183,472	198,696	226,036
Department of the Army, total .....	46,816	36,271	46,013	57,798	56,776	57,008	82,544	89,951
Department of the Army, Civil Functions .....	0	0	457	510	534	892	1,034	947
Department of the Army, Military Functions .....	46,816	36,271	45,556	57,288	56,242	56,116	81,510	89,004
Department of the Navy .....	53,901	58,592	67,956	76,243	78,540	93,028	82,259	92,047
Dept of the Air Force .....	41,861	43,070	42,169	25,338	23,223	24,951	24,284	33,709
Defense Agencies .....	2,052	4,779	5,778	6,195	5,179	8,485	9,609	10,329
Department of Education .....	NA	NA	NA	NA	NA	3,808	525	0
Department of Energy <sup>5</sup> .....	NA	NA	NA	659	7,180	4,809	5,646	5,591
Department of Health, Education, & Welfare, total .....	164,376	188,611	206,618	230,737	284,544	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration .....	9,752	19,584	15,859	19,318	32,556	NA	NA	NA
Health Resources Admin .....	513	0	731	0	0	NA	NA	NA
Health Services Administration .....	526	449	285	2,031	636	NA	NA	NA
National Inst of Education .....	1,397	1,476	921	2,358	3,036	NA	NA	NA
National Institutes of Health .....	149,247	163,946	186,884	204,991	244,690	NA	NA	NA
Office of Assistant Secretary for Health .....	0	0	0	737	1,060	NA	NA	NA
Office of Education .....	1	0	0	0	0	NA	NA	NA
Office of Human Dvlpmnt Svcs .....	0	0	0	110	101	NA	NA	NA
Office of the Secretary .....	1,310	1,354	1,938	1,192	2,465	NA	NA	NA
Social Security Administration .....	1,630	1,802	0	0	0	NA	NA	NA
Dept of Hlth & Human Svcs, total .....	NA	NA	NA	NA	NA	322,890	362,882	392,956
Alcohol, Drug Abuse, & Mental Health Administration .....	NA	NA	NA	NA	NA	36,109	36,717	49,365
Health Services Administration .....	NA	NA	NA	NA	NA	1,988	2,032	3,800
Human Development Services .....	NA	NA	NA	NA	NA	0	0	46
National Institutes of Health .....	NA	NA	NA	NA	NA	280,912	319,641	335,181
Office of the Assistant Secretary for Health .....	NA	NA	NA	NA	NA	3,879	4,392	4,534
Office of the Secretary .....	NA	NA	NA	NA	NA	2	100	30

See explanatory information, if any, and SOURCE at end of table.

**Table 28. Federal obligations to intramural performers for basic research, by agency:  
fiscal years 1974-81**

[Dollars in thousands]

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Agency	1974	1975	1976	1977	1978	1979	1980	1981
Department of the Interior, total .....	38,682	47,832	48,504	55,774	57,496	62,863	61,797	69,190
Bonneville Power Admin .....	0	0	0	0	0	0	0	1
Bureau of Mines .....	4,327	1,800	800	4,000	8,600	13,700	11,500	13,600
Bureau of Reclamation .....	58	44	70	80	150	100	200	66
Geological Survey .....	26,274	36,958	39,008	38,729	43,178	45,015	44,919	50,240
National Park Service .....	6	199	203	0	0	0	0	0
Office of the Secretary .....	0	0	395	1,053	1,048	848	930	615
Office of Water Rsch & Tech .....	246	443	405	162	500	500	800	1,050
US Fish & Wildlife Svc .....	7,771	8,388	7,623	11,750	4,020	2,700	3,448	3,618
Department of Justice, total .....	200	196	700	536	849	695	80	353
Office of Justice Programs .....	200	196	700	536	849	695	80	353
Department of Labor, total .....	356	241	294	199	255	1,008	1,246	1,750
Employment & Training Admin .....	105	64	94	54	105	508	1,246	1,750
Labor-Management Svcs Admin .....	251	177	200	145	150	500	0	0
Department of State, total <sup>6</sup> .....	0	1,500	0	0	0	2	0	0
Agency for Internat'l Dvlpmt <sup>6</sup> .....	0	1,500	0	0	0	NA	NA	NA
Departmental Funds .....	0	0	0	0	0	2	0	0
Dept of Transportation, total .....	180	75	0	0	0	0	0	610
Coast Guard .....	175	75	0	0	0	0	0	260
Maritime Administration <sup>3</sup> .....	NA	NA	NA	NA	NA	NA	NA	50
Office of the Secretary .....	5	0	0	0	0	0	0	0
Rsch & Special Programs Admin .....	NA	NA	NA	0	0	0	0	300
Department of the Treasury, total .....	0	0	0	0	0	95	1,573	1,581
Internal Revenue Service .....	0	0	0	0	0	95	1,573	1,581
Department of Veterans Affairs .....	3,529	3,807	8,900	8,848	8,647	9,352	14,275	15,000
Other agencies:								
ACTION .....	80	20	7	15	0	0	0	0
Civil Service Commission .....	196	559	307	394	NA	NA	NA	NA
Consumer Product Safety Comm .....	0	0	0	0	0	0	0	10
Energy Research & Dvlpmt Admin <sup>5</sup> .....	1,693	195	286	NA	NA	NA	NA	NA
Environmental Protection Agency .....	475	870	685	415	3,125	4,370	6,070	5,560
Federal Emergency Management Agency, total <sup>7</sup> 4 .....	NA	NA	NA	NA	1,180	1,447	1,268	1,267
National Fire Prevention & Control Administration <sup>4</sup> .....	NA	NA	NA	NA	1,180	0	0	0
Federal Trade Commission .....	0	0	300	361	452	445	1,495	935
Foundation for Educational Assistance .....	NA	NA	NA	NA	NA	NA	NA	3,072
General Services Administration .....	50	60	63	9	1,312	14	0	0
Library of Congress .....	0	0	171	140	130	100	100	200
Nat'l Aeronautics & Space Admin .....	164,403	172,768	146,877	192,243	221,459	221,125	225,454	216,411
National Science Foundation .....	45,635	37,575	58,381	75,392	76,596	56,964	68,086	98,620
Off of Telecommunications Policy .....	0	2	100	NA	NA	NA	NA	NA
Smithsonian Institution .....	22,728	23,244	24,679	27,293	31,996	33,685	36,557	41,159
Tennessee Valley Authority .....	0	0	0	3,546	3,764	4,100	4,600	4,800
United States Information Agcy <sup>8</sup> .....	0	0	0	0	0	0	0	8

<sup>1</sup> Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

<sup>2</sup> Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

<sup>3</sup> In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

<sup>4</sup> Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

<sup>5</sup> In 1977 the Energy Research & Development Administration became part of the Department of Energy.

<sup>6</sup> The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

<sup>7</sup> Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

<sup>8</sup> Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

**KEY:** NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 28A. Federal obligations to intramural performers for basic research, by agency:  
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 2

Agency	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies .....	1,465,534	1,689,837	1,861,076	1,923,412	2,018,877	2,046,202	2,050,264	2,313,438
Departments:								
Department of Agriculture, total .....	218,724	238,828	274,118	295,721	293,237	302,123	321,802	323,618
Agricultural Research Service .....	175,091	194,668	224,932	237,424	239,446	245,530	263,684	264,833
Cooperative State Research, Education, & Extension Svc .....	3,155	2,938	4,255	9,638	8,103	6,959	7,289	7,201
Economic Research Service .....	3,778	3,623	4,160	4,355	4,247	6,058	6,409	6,695
Forest Service .....	33,311	34,171	37,014	40,687	37,623	41,503	42,682	43,193
National Agricultural Statistics Service .....	2,300	2,500	2,700	2,731	2,600	1,116	1,188	953
Office of International Cooperation & Development .....	608	470	432	285	759	487	12	743
Office of Transportation .....	481	458	625	601	459	470	538	NA
Department of Commerce, total .....	15,672	17,937	19,042	20,687	22,913	21,701	26,517	25,036
Bureau of the Census .....	160	213	220	226	232	226	276	194
Economic Development Admin .....	0	527	0	0	0	0	0	0
Nat'l Inst of Standards & Tech .....	15,510	17,196	18,822	20,453	22,651	21,475	23,003	24,842
National Oceanic & Atmospheric Administration .....	0	0	0	0	0	0	3,238	0
Office of the Secretary .....	2	1	0	8	30	0	0	0
Department of Defense, total .....	245,524	275,585	303,321	300,994	307,833	283,068	262,699	292,277
Department of the Army, total .....	102,904	115,817	123,150	125,502	124,589	106,570	81,864	97,464
Department of the Army, Civil Functions .....	1,026	1,479	1,195	1,200	2,163	2,553	3,113	2,318
Department of the Army, Military Functions .....	101,878	114,338	121,955	124,302	122,426	104,017	78,751	95,146
Department of the Navy .....	95,226	111,130	122,380	121,292	127,026	124,356	131,042	127,391
Dept of the Air Force .....	37,490	35,716	42,237	47,300	49,441	44,817	41,438	61,092
Defense Agencies .....	9,904	12,922	15,554	6,900	6,777	7,325	8,355	6,330
Department of Education .....	2,536	2,300	2,198	1,938	337	230	292	360
Department of Energy <sup>1</sup> .....	6,969	17,955	11,235	21,807	25,023	35,441	32,718	48,762
Dept of Hlth & Human Svcs, total .....	462,051	532,442	566,267	605,156	672,994	661,689	694,186	743,278
Alcohol, Drug Abuse, & Mental Health Administration .....	53,766	76,639	76,535	89,292	84,988	84,370	90,747	95,385
Health Resources & Svcs Admin .....	600	800	800	905	1,020	1,346	1,079	1,180
Human Development Services .....	34	0	0	0	0	0	0	0
National Institutes of Health .....	404,793	448,698	479,224	505,641	579,378	567,771	591,815	638,252
Office of the Assistant Secretary for Health .....	2,858	6,305	9,708	9,318	7,608	8,202	10,545	8,461
Department of the Interior, total .....	64,690	84,038	110,445	117,394	110,512	119,444	108,088	158,938
Bureau of Mines .....	11,472	16,179	30,483	36,257	30,453	35,878	20,664	25,462
Bureau of Reclamation .....	90	99	145	300	100	100	100	2
Geological Survey <sup>2</sup> .....	49,610	61,613	74,775	75,873	77,310	79,630	83,793	130,066
Office of the Secretary .....	44	52	9	187	96	0	0	0
Office of Water Rsch & Tech <sup>2</sup> .....	597	195	102	NA	NA	NA	NA	NA
US Fish & Wildlife Svc .....	2,877	5,900	4,931	4,777	2,553	3,836	3,531	3,408
Department of Justice, total .....	90	92	56	25	355	650	1,028	750
Office of Justice Programs .....	90	92	56	25	355	650	1,028	750
Department of Labor, total .....	1,440	574	1,052	50	870	666	60	16
Employment & Training Admin .....	1,440	574	1,052	50	870	666	60	16
Department of State .....	0	0	0	0	0	188	195	42
Dept of Transportation, total .....	200	150	1,498	104	219	78	0	0
Coast Guard .....	0	100	0	0	0	0	0	0
Maritime Administration .....	200	50	1,498	104	219	78	0	0
Department of the Treasury, total .....	2,076	3,073	2,967	3,615	3,871	3,567	3,493	2,546
Bureau of Engraving & Printing .....	0	600	798	255	364	100	52	473
Internal Revenue Service .....	2,076	2,473	2,169	3,360	3,325	3,288	3,347	2,073
United States Secret Service .....	0	0	0	0	182	179	94	0
Department of Veterans Affairs .....	12,900	14,100	15,800	15,400	14,800	17,200	17,300	16,600

See explanatory information, if any, and SOURCE at end of table.

**Table 28A. Federal obligations to intramural performers for basic research, by agency:  
fiscal years 1982-89**

[Dollars in thousands]

Page 2 of 2

Agency	1982	1983	1984	1985	1986	1987	1988	1989
Other agencies:								
Environmental Protection Agency .....	11,028	8,022	7,366	5,682	4,238	5,896	5,330	7,143
Federal Emergency Management Agency, total .....	690	0	0	0	0	0	0	0
Federal Trade Commission .....	1,009	1,159	1,324	1,474	1,553	0	0	0
General Services Administration <sup>3</sup> .....	0	0	3	4	0	0	0	0
International Development Cooperation Agency .....	0	568	12	102	41	77	32	91
Agency for Internat'l Dvlpmnt .....	0	568	12	102	41	77	32	91
Library of Congress .....	148	331	641	641	407	390	400	367
Nat'l Aeronautics & Space Admin .....	250,670	305,480	344,647	318,382	363,307	379,435	343,494	453,571
Nat'l Archives & Records Admin <sup>3</sup> .....	NA	NA	NA	134	0	465	246	55
National Science Foundation .....	112,160	125,643	130,371	137,539	125,823	138,468	154,084	156,928
Smithsonian Institution .....	52,357	55,960	63,613	71,063	63,273	71,508	75,096	80,152
Tennessee Valley Authority .....	4,600	5,600	5,100	5,500	7,271	3,918	3,204	2,908

<sup>1</sup> In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

<sup>2</sup> As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

<sup>3</sup> As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

**KEY:** NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 28B. Federal obligations to intramural performers for basic research, by agency:  
fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 2

Agency	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies .....	2,294,618	2,391,625	2,337,595	2,661,779	2,504,957	2,712,918	2,413,879	2,667,782
Departments:								
Department of Agriculture, total .....	344,858	372,758	386,065	407,099	395,539	388,227	383,246	395,074
Agricultural Marketing Service .....	540	0	0	0	0	0	0	0
Agricultural Research Service <sup>1</sup> .....	272,410	294,965	309,515	323,885	348,182	350,399	347,410	357,921
Cooperative State Research, Education, & Extension Svc <sup>2</sup> .....	8,126	9,065	9,763	10,266	10,455	8,269	8,175	8,988
Economic Research Service .....	6,895	7,366	7,931	10,273	9,490	5,065	5,125	5,307
Foreign Agricultural Service <sup>3</sup> .....	0	0	0	0	532	257	978	978
Forest Service .....	55,599	59,206	56,613	60,279	25,610	22,915	20,279	20,583
National Agricultural Statistics Service .....	917	1,067	1,181	1,277	1,270	1,322	1,279	1,297
Office of International Cooperation & Development <sup>3</sup> .....	371	1,089	1,062	1,119	0	NA	NA	NA
Department of Commerce, total .....	25,956	29,292	30,930	33,713	36,044	34,607	33,101	34,186
Bureau of the Census .....	225	241	286	355	309	312	307	307
Nat'l Inst of Standards & Tech .....	25,731	29,051	30,644	33,018	35,735	34,295	32,794	33,879
National Oceanic & Atmospheric Administration .....	0	0	0	340	0	0	0	0
Department of Defense, total .....	300,136	298,546	302,525	324,711	312,036	320,441	272,544	292,703
Department of the Army, total .....	103,288	107,393	113,135	126,459	127,769	127,471	82,346	95,141
Department of the Army, Civil Functions <sup>4</sup> .....	3,053	3,950	4,216	4,328	4,419	4,148	1,962	1,677
Department of the Army, Military Functions .....	100,235	103,443	108,919	122,131	123,350	123,323	80,384	93,464
Department of the Navy .....	128,464	132,342	129,057	138,554	136,788	139,031	123,705	127,969
Dept of the Air Force .....	60,964	52,602	54,964	48,092	34,025	31,235	55,444	57,971
Defense Agencies .....	7,420	6,209	5,369	11,606	13,454	22,704	11,049	11,622
Department of Education .....	348	621	457	203	223	197	149	155
Department of Energy .....	43,477	59,578	35,592	59,668	44,402	36,855	59,089	68,568
Dept of Hlth & Human Svcs, total .....	745,322	846,998	788,383	976,270	967,660	1,193,839	907,801	1,142,062
Administration on Aging <sup>5</sup> .....	NA	0	0	0	0	0	171	0
Agency for Health Care Policy & Research <sup>6</sup> .....	0	0	0	0	8	0	0	0
Alcohol, Drug Abuse, & Mental Health Administration <sup>7</sup> .....	112,812	127,643	NA	NA	NA	NA	NA	NA
Health Resources & Svcs Admin .....	1,150	1,521	1,295	1,107	556	1,010	800	800
Nat'l Institutes of Health <sup>7</sup> .....	631,360	717,834	787,088	975,163	967,096	1,192,829	906,830	1,141,262
Department of the Interior, total .....	170,838	192,586	196,119	196,863	68,677	50,216	49,533	51,076
Bureau of Land Management .....	0	110	50	50	0	0	0	0
Bureau of Mines .....	26,992	30,044	29,424	27,105	15,537	0	NA	NA
Bureau of Reclamation .....	5	100	0	0	0	0	0	0
Geological Survey <sup>8</sup> .....	141,241	159,077	163,296	166,069	39,865	37,649	49,370	50,861
National Biological Svc <sup>9</sup> .....	NA	NA	NA	0	12,885	12,255	NA	NA
National Park Service <sup>9</sup> .....	0	0	0	400	390	312	163	215
US Fish & Wildlife Svc <sup>9</sup> .....	2,600	3,255	3,349	3,239	0	0	0	0
Department of Justice, total .....	250	29	1,584	652	867	45	41	800
Office of Justice Programs .....	250	29	1,584	652	867	45	41	800
Department of Labor, total .....	30	30	49	1,023	1,629	2,279	6,400	11,300
Bureau of Labor Statistics .....	0	0	0	1,000	1,600	2,279	6,400	11,300
Employment & Training Admin .....	30	30	25	23	29	0	0	0
Pension Benefit Guaranty Corp .....	0	0	24	0	0	0	0	0
Department of State <sup>10</sup> .....	75	82	85	85	86	67	70	70
Dept of Transportation, total .....	0	0	1	1	1	1	8	13
Federal Highway Administration .....	0	0	1	1	1	1	8	13
Department of the Treasury, total .....	2,174	2,390	2,390	4,342	21	41	53	29
Bureau of Engraving & Printing .....	0	0	0	0	21	41	53	29
Internal Revenue Service <sup>11</sup> <sup>12</sup> .....	2,174	2,390	2,390	4,342	0	0	0	0
Department of Veterans Affairs .....	16,200	16,100	15,700	13,339	14,373	12,390	14,372	13,654

See explanatory information, if any, and SOURCE at end of table.

**Table 28B. Federal obligations to intramural performers for basic research, by agency:  
fiscal years 1990-97**

[Dollars in thousands]

Page 2 of 2

Agency	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Other agencies:								
Environmental Protection Agency .....	7,800	16,004	11,340	19,963	20,859	28,632	26,847	30,582
International Development								
Cooperation Agency .....	54	169	1	512	282	365	1,118	604
Agency for Internat'l Dvlpmnt <sup>10</sup> .....	54	169	1	512	282	365	1,118	604
Library of Congress .....	295	373	354	349	434	512	442	458
Nat'l Aeronautics & Space Admin .....	462,326	443,568	455,148	493,224	490,977	494,548	502,309	471,238
Nat'l Archives & Records Admin .....	155	356	495	150	150	0	0	0
National Science Foundation .....	85,608	12,287	10,302	17,742	17,651	16,666	19,566	18,410
Smithsonian Institution .....	83,987	97,999	97,999	102,000	124,176	124,000	125,400	136,800
Tennessee Valley Authority .....	4,729	1,859	2,076	9,870	8,870	8,990	11,790	0

- 1 The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- 2 The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- 3 The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- 4 The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.
- 5 In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- 6 In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- 7 Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- 8 As of FY 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 9 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 10 Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- 11 Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- 12 Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.

**KEY:** NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 29. Federal obligations to industrial performers for basic research, by agency:  
fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 2

Agency	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies .....	123,963	118,506	131,077	208,130	247,715	277,074	325,276	292,916
Departments:								
Department of Agriculture, total .....	511	439	164	620	650	2,141	2,588	4,184
Agricultural Research Service .....	NA	NA	NA	NA	NA	NA	NA	4,179
Forest Service .....	495	382	126	419	437	405	67	5
Science & Education Administration .....	16	57	38	201	213	1,736	2,521	NA
Department of Commerce, total .....	926	1,402	1,325	1,326	2,633	2,002	1,810	136
Economic Development Admin .....	0	0	119	70	0	35	20	0
Maritime Administration <sup>1</sup> .....	926	1,402	1,141	1,144	2,610	1,897	1,700	NA
National Fire Prevention & Control Administration <sup>2</sup> .....	NA	0	65	79	NA	NA	NA	NA
Nat'l Inst of Standards & Tech .....	0	0	0	33	23	70	90	136
Department of Defense, total .....	37,717	41,806	41,100	51,025	57,462	65,898	87,503	76,543
Department of the Army, total .....	2,737	6,925	5,492	5,053	4,530	4,759	11,058	15,523
Department of the Army, Civil Functions .....	0	0	0	0	35	60	78	63
Department of the Army, Military Functions .....	2,737	6,925	5,492	5,053	4,495	4,699	10,980	15,460
Department of the Navy .....	15,072	13,633	13,485	16,748	18,576	17,286	24,539	16,756
Dept of the Air Force .....	10,850	11,841	12,589	16,960	19,971	23,590	23,071	20,306
Defense Agencies .....	9,058	9,407	9,534	12,264	14,385	20,263	28,835	23,958
Department of Education .....	NA	NA	NA	NA	NA	812	875	0
Department of Energy <sup>3</sup> .....	NA	NA	NA	642	1,798	1,912	4,280	7,214
Department of Health, Education, & Welfare, total .....	15,725	13,519	14,708	13,194	15,236	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration .....	0	2,041	0	0	0	NA	NA	NA
Health Resources Admin .....	0	0	31	0	0	NA	NA	NA
National Inst of Education .....	0	0	317	480	731	NA	NA	NA
National Institutes of Health .....	15,655	11,322	14,105	12,617	14,235	NA	NA	NA
Office of Assistant Secretary for Health .....	0	0	0	24	108	NA	NA	NA
Office of the Secretary .....	70	156	255	73	162	NA	NA	NA
Dept of Hlth & Human Svcs, total .....	NA	NA	NA	NA	NA	19,358	17,707	18,276
Alcohol, Drug Abuse, & Mental Health Administration .....	NA	NA	NA	NA	NA	175	37	233
National Institutes of Health .....	NA	NA	NA	NA	NA	17,676	15,778	16,448
Office of the Assistant Secretary for Health .....	NA	NA	NA	NA	NA	1,507	1,892	1,595
Department of the Interior, total .....	536	1,076	1,298	1,472	1,405	612	1,994	1,357
Bonneville Power Admin .....	0	0	0	0	0	0	0	419
Office of the Secretary .....	0	0	530	1,172	355	412	472	308
Office of Water Rsch & Tech .....	536	601	550	0	1,000	0	1,500	610
US Fish & Wildlife Svc .....	0	475	218	300	50	200	22	20
Department of Justice, total .....	767	0	0	0	1,500	158	0	0
Office of Justice Programs .....	767	0	0	0	1,500	158	0	0
Department of Labor, total .....	137	0	0	0	0	144	0	0
Employment & Training Admin .....	58	0	0	0	0	144	0	0
Labor-Management Svcs Admin .....	79	0	0	0	0	0	0	0
Dept of Transportation, total .....	0	0	0	0	0	0	0	600
Maritime Administration <sup>1</sup> .....	NA	NA	NA	NA	NA	NA	NA	600
Department of the Treasury, total .....	0	0	0	0	0	125	85	763
Internal Revenue Service .....	0	0	0	0	0	125	85	763
Department of Veterans Affairs .....	0	0	0	90	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.



**Table 29. Federal obligations to industrial performers for basic research, by agency:  
fiscal years 1974-81**

[Dollars in thousands]

Page 2 of 2

Agency	1974	1975	1976	1977	1978	1979	1980	1981
Other agencies:								
ACTION .....	0	59	0	0	0	0	0	0
Consumer Product Safety Comm .....	0	0	0	0	0	0	0	50
Energy Research & Dvlpmt Admin <sup>3</sup> .....	564	96	268	NA	NA	NA	NA	NA
Environmental Protection Agency .....	0	0	0	0	1,563	3,060	2,830	2,783
Foundation for Educational Assistance .....	NA	NA	NA	NA	NA	NA	NA	700
General Services Administration .....	77	7	0	90	379	0	0	0
Nat'l Aeronautics & Space Admin .....	64,145	53,270	65,798	134,653	153,065	174,519	194,642	160,722
National Science Foundation .....	2,858	6,495	6,340	5,018	12,024	6,333	10,962	19,588
Off of Telecommunications Policy .....	0	337	76	NA	NA	NA	NA	NA

<sup>1</sup> In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

<sup>2</sup> Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

<sup>3</sup> In 1977 the Energy Research & Development Administration became part of the Department of Energy.

**KEY:** NA= Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 29A. Federal obligations to industrial performers for basic research, by agency:  
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 1

Agency	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies .....	270,896	292,908	377,909	380,120	511,617	466,953	596,894	773,233
Departments:								
Department of Agriculture, total .....	174	34	71	169	321	823	591	382
Cooperative State Research, Education, & Extension Svc .....	0	0	0	136	244	340	200	259
Forest Service .....	174	34	71	33	77	483	391	123
Department of Commerce, total .....	24	349	250	389	503	307	239	294
Nat'l Inst of Standards & Tech .....	24	349	250	389	503	307	239	294
Department of Defense, total .....	100,101	104,521	90,770	92,373	93,509	100,735	80,447	91,773
Department of the Army, total .....	16,159	15,939	17,662	18,000	24,021	20,750	9,772	22,091
Department of the Army, Civil Functions .....	63	103	84	83	151	178	217	162
Department of the Army, Military Functions .....	16,096	15,836	17,578	17,917	23,870	20,572	9,555	21,929
Department of the Navy .....	33,388	30,180	19,721	29,394	24,915	32,882	18,969	21,070
Dept of the Air Force .....	26,059	26,023	23,364	26,133	25,962	19,355	22,626	19,191
Defense Agencies .....	24,495	32,379	30,023	18,846	18,611	27,748	29,080	29,421
Department of Education .....	450	1,461	1,099	1,332	224	0	0	0
Department of Energy <sup>1</sup> .....	6,461	25,386	21,832	23,082	18,792	19,986	34,404	26,734
Dept of Hlth & Human Svcs, total .....	13,376	20,101	28,020	31,302	42,498	65,566	140,968	162,138
Alcohol, Drug Abuse, & Mental Health Administration .....	130	2,623	5,269	4,181	5,989	6,376	6,180	7,183
National Institutes of Health .....	12,510	16,148	20,851	25,706	33,704	57,055	131,411	148,775
Office of the Assistant Secretary for Health .....	736	1,330	1,900	1,415	2,805	2,135	3,377	6,180
Department of the Interior, total .....	708	0	200	0	0	0	0	4,364
Bureau of Mines .....	0	0	0	0	0	0	0	4,288
Geological Survey <sup>2</sup> .....	0	0	0	0	0	0	0	76
Office of Water Rsch & Tech <sup>2</sup> .....	558	0	0	NA	NA	NA	NA	NA
US Fish & Wildlife Svc .....	150	0	200	0	0	0	0	0
Department of Justice, total .....	0	0	250	136	125	0	315	389
Office of Justice Programs .....	0	0	250	136	125	0	315	389
Department of Labor, total .....	0	0	0	0	0	0	300	0
Employment & Training Admin .....	0	0	0	0	0	0	300	0
Dept of Transportation, total .....	300	350	1,176	424	0	0	0	0
Maritime Administration .....	300	350	1,176	424	0	0	0	0
Department of the Treasury, total .....	120	238	765	910	1,067	1,016	1,312	592
Internal Revenue Service .....	120	238	765	910	1,057	1,012	1,312	592
United States Secret Service .....	0	0	0	0	10	4	0	0
Other agencies:								
Environmental Protection Agency .....	10,188	3,887	10,311	16,093	15,800	8,159	9,002	20,617
General Services Administration <sup>3</sup> .....	0	0	47	66	0	0	0	0
International Development Cooperation Agency .....	0	972	330	285	100	0	0	0
Agency for Internat'l Dvlpmt .....	0	972	330	285	100	0	0	0
Nat'l Aeronautics & Space Admin .....	118,961	114,551	198,387	181,273	280,517	228,008	292,129	420,412
National Science Foundation .....	20,033	21,058	24,401	32,286	58,161	42,353	37,187	45,538

<sup>1</sup> In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

<sup>2</sup> As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

<sup>3</sup> As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

**KEY:** NA= Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 29B. Federal obligations to industrial performers for basic research, by agency:  
fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 1

Agency	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies .....	887,485	949,943	920,349	896,253	1,109,111	1,221,211	1,225,733	1,279,074
Departments:								
Department of Agriculture, total .....	2,158	3,406	3,178	3,705	4,500	5,633	5,540	6,700
Cooperative State Research, Education, & Extension Svc. <sup>1</sup> .....	2,018	3,066	2,876	3,455	4,473	5,624	5,532	6,692
Forest Service .....	140	340	302	250	27	9	8	8
Department of Commerce, total .....	494	364	256	295	245	761	571	592
Nat'l Inst of Standards & Tech .....	494	364	256	295	245	761	571	592
Department of Defense, total .....	73,654	78,838	146,872	109,887	92,069	173,775	148,295	152,890
Department of the Army, total .....	11,202	14,370	17,370	17,509	10,695	13,253	22,832	29,801
Department of the Army, Civil Functions <sup>2</sup> .....	213	276	294	302	308	289	129	117
Department of the Army, Military Functions .....	10,989	14,094	17,076	17,207	10,387	12,964	22,703	29,684
Department of the Navy .....	19,055	22,506	23,873	28,784	26,328	28,195	25,879	26,706
Dept of the Air Force .....	10,397	17,733	38,422	26,475	26,467	32,955	47,380	42,198
Defense Agencies .....	33,000	24,229	67,207	37,119	28,579	99,372	52,204	54,185
Department of Energy .....	30,250	25,734	48,440	20,715	19,768	24,515	93,397	103,098
Dept of Hlth & Human Svcs, total .....	169,769	171,770	170,696	144,125	196,262	279,979	214,749	270,264
Alcohol, Drug Abuse, & Mental Health Administration <sup>3</sup> .....	3,959	5,390	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health <sup>3</sup> .....	165,810	166,380	170,696	144,125	196,262	279,979	214,749	270,264
Department of the Interior, total .....	4,015	3,919	2,161	5,572	1,748	0	0	0
Bureau of Mines .....	3,119	2,504	1,899	4,752	1,748	0	NA	NA
Geological Survey <sup>4</sup> .....	896	1,415	262	820	0	0	0	0
Department of Justice, total .....	0	544	487	190	415	58	40	0
Office of Justice Programs .....	0	544	487	190	415	58	40	0
Dept of Transportation, total .....	0	0	0	0	497	0	0	20,441
Federal Highway Administration .....	0	0	0	0	497	0	0	20,441
Department of the Treasury, total .....	1,186	1,186	1,186	0	0	0	0	0
Internal Revenue Service <sup>5 6</sup> .....	1,186	1,186	1,186	0	0	0	0	0
Other agencies:								
Environmental Protection Agency .....	28,703	37,732	37,689	47,876	36,805	19,131	17,938	20,434
International Development Cooperation Agency .....	0	0	2,600	500	0	0	0	0
Agency for Internat'l Dvlpmnt <sup>7</sup> .....	0	0	2,600	500	0	0	0	0
Nat'l Aeronautics & Space Admin .....	517,124	530,970	476,767	505,806	706,865	636,359	666,222	614,453
National Science Foundation .....	60,132	95,480	30,017	57,582	49,937	81,000	78,981	90,202

<sup>1</sup> The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

<sup>2</sup> The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

<sup>3</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

<sup>4</sup> As of FY 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

<sup>5</sup> Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.

<sup>6</sup> Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.

<sup>7</sup> Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

**KEY:** NA= Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 30. Federal obligations to university and college performers  
for basic research, by agency:  
fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 2

Agency	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies .....	1,144,748	1,260,609	1,341,738	1,555,067	1,759,234	2,079,925	2,320,253	2,503,223
Departments:								
Department of Agriculture, total .....	38,135	43,290	47,004	56,130	77,712	83,967	90,245	102,901
Agricultural Research Service .....	NA	NA	NA	NA	NA	NA	NA	16,234
Cooperative State Research, Education, & Extension Svc .....	NA	NA	NA	NA	NA	NA	NA	80,660
Economic Research Service .....	NA	NA	NA	NA	NA	NA	NA	168
Economics, Statistics, & Cooperative Service <sup>1</sup> .....	83	74	145	90	275	172	NA	NA
Economics & Statistics Svc <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	612	NA
Forest Service .....	3,410	4,650	3,411	5,501	6,209	5,964	5,003	5,839
Science & Education Administration .....	34,642	38,566	43,448	50,539	71,228	77,831	84,630	NA
Department of Commerce, total .....	732	939	1,234	2,181	2,275	593	1,092	1,008
Bureau of the Census .....	100	115	0	167	136	158	356	165
Economic Development Admin .....	0	0	462	290	1,738	145	100	100
Maritime Administration <sup>3</sup> .....	78	111	0	0	0	100	100	NA
National Fire Prevention & Control Administration <sup>4</sup> .....	NA	205	243	1,015	NA	NA	NA	NA
Nat'l Inst of Standards & Tech .....	554	508	529	709	401	190	536	743
Department of Defense, total .....	106,279	105,530	112,003	141,754	167,865	178,902	208,336	244,405
Department of the Army, total .....	22,884	25,787	24,865	33,289	36,113	36,052	33,922	36,923
Department of the Army, Civil Functions .....	0	0	183	42	61	30	78	79
Department of the Army, Military Functions .....	22,884	25,787	24,682	33,247	36,052	36,022	33,844	36,844
Department of the Navy .....	43,010	43,795	45,192	53,578	67,182	74,473	100,197	119,083
Dept of the Air Force .....	23,251	22,893	28,325	40,704	49,547	50,350	55,327	63,351
Defense Agencies .....	17,134	13,055	13,621	14,183	15,023	18,027	18,890	25,048
Department of Education .....	NA	NA	NA	NA	NA	8,710	9,633	0
Department of Energy <sup>5</sup> .....	NA	NA	NA	71,103	85,514	97,215	116,009	133,656
Department of Health, Education, & Welfare, total .....	555,960	580,191	634,379	719,343	816,653	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration .....	31,396	32,586	29,266	31,914	35,746	NA	NA	NA
Health Resources Admin .....	5,973	0	1,295	0	0	NA	NA	NA
National Inst of Education .....	2,392	245	1,348	4,685	7,675	NA	NA	NA
National Institutes of Health .....	513,932	545,216	600,008	677,091	767,602	NA	NA	NA
Office of Assistant Secretary for Health .....	0	0	0	1,190	1,082	NA	NA	NA
Office of Education .....	165	0	0	0	0	NA	NA	NA
Office of Human Dvlpmnt Svcs .....	0	0	0	2,068	2,122	NA	NA	NA
Office of the Secretary .....	2,102	2,144	2,462	2,395	2,426	NA	NA	NA
Dept of Hlth & Human Svcs, total .....	NA	NA	NA	NA	NA	1,020,679	1,120,999	1,205,602
Alcohol, Drug Abuse, & Mental Health Administration .....	NA	NA	NA	NA	NA	47,284	51,912	49,205
Human Development Services .....	NA	NA	NA	NA	NA	0	0	130
National Institutes of Health .....	NA	NA	NA	NA	NA	965,810	1,062,958	1,150,213
Office of the Assistant Secretary for Health .....	NA	NA	NA	NA	NA	5,504	4,230	5,484
Office of the Secretary .....	NA	NA	NA	NA	NA	2,081	1,899	570

See explanatory information, if any, and SOURCE at end of table.

**Table 30. Federal obligations to university and college performers  
for basic research, by agency:  
fiscal years 1974-81**

[Dollars in thousands]

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Agency	1974	1975	1976	1977	1978	1979	1980	1981
Department of the Interior, total .....	6,736	5,739	4,392	5,443	6,747	8,794	6,782	9,325
Bureau of Mines .....	1,310	135	0	0	0	0	0	0
Bureau of Reclamation .....	60	0	0	0	0	0	0	52
Geological Survey .....	919	1,648	525	1,589	3,110	3,994	2,400	3,253
National Park Service .....	778	429	352	0	0	0	0	0
Office of the Secretary .....	0	0	50	351	287	0	0	0
Office of Water Rsch & Tech .....	2,899	2,799	2,595	2,703	3,000	4,100	4,300	5,970
US Fish & Wildlife Svc .....	770	728	870	800	350	700	82	50
Department of Justice, total .....	493	6,351	1,226	2,216	3,978	3,452	3,304	1,037
Office of Justice Programs .....	493	6,351	1,226	2,216	3,978	3,452	3,304	1,037
Department of Labor, total .....	382	636	538	504	3,351	1,134	2,169	1,218
Employment & Training Admin .....	274	479	538	504	3,351	1,134	2,169	1,218
Labor-Management Svcs Admin .....	108	157	0	0	0	0	0	0
Department of State, total <sup>6</sup> .....	0	0	0	0	0	25	0	0
Departmental Funds .....	0	0	0	0	0	25	0	0
Department of Veterans Affairs .....	24	0	0	92	131	171	25	0
Other agencies:								
ACTION .....	0	36	5	0	0	0	0	0
Energy Research & Dvlpmt Admin <sup>5</sup> .....	57,436	57,511	68,270	NA	NA	NA	NA	NA
Environmental Protection Agency .....	8,425	15,730	12,705	7,626	1,322	2,670	4,700	2,157
Federal Emergency Management								
Agency, total <sup>7 4</sup> .....	NA	NA	NA	NA	1,315	1,467	1,284	1,267
National Fire Prevention &								
Control Administration <sup>4</sup> .....	NA	NA	NA	NA	1,315	0	0	0
Foundation for Educational								
Assistance .....	NA	NA	NA	NA	NA	NA	NA	8,250
Nat'l Aeronautics & Space Admin .....	61,285	64,548	67,157	71,988	88,341	96,785	112,751	124,418
National Science Foundation .....	306,938	378,721	391,923	474,892	502,019	574,137	642,924	667,979
Off of Telecommunications Policy .....	0	17	54	NA	NA	NA	NA	NA
Smithsonian Institution .....	1,923	1,370	848	1,795	1,994	1,224	0	0
Tennessee Valley Authority .....	0	0	0	0	17	0	0	0

<sup>1</sup> Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

<sup>2</sup> Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

<sup>3</sup> In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

<sup>4</sup> Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

<sup>5</sup> In 1977 the Energy Research & Development Administration became part of the Department of Energy.

<sup>6</sup> The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

<sup>7</sup> Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

**KEY:** NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 30A. Federal obligations to university and college performers  
for basic research, by agency:  
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 2

Agency	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies .....	2,727,126	3,112,307	3,530,806	4,038,709	4,132,073	4,665,622	4,868,297	5,221,354
Departments:								
Department of Agriculture, total .....	107,576	117,122	111,755	142,587	131,124	136,886	151,325	154,200
Agricultural Research Service .....	16,434	17,978	13,361	9,412	5,628	5,674	6,322	14,161
Cooperative State Research, Education, & Extension Svc .....	86,164	94,556	94,192	129,729	121,479	124,096	136,694	133,754
Economic Research Service .....	149	255	240	280	211	209	326	236
Forest Service .....	4,829	4,333	3,962	3,136	3,721	6,846	7,983	6,049
National Agricultural Statistics Service .....	0	0	0	30	35	0	0	0
Office of Transportation .....	0	0	0	0	50	61	0	NA
Department of Commerce, total .....	1,151	879	1,172	1,315	2,456	3,440	3,693	3,514
Bureau of the Census .....	149	86	184	146	275	500	1,066	969
Nat'l Inst of Standards & Tech .....	1,002	793	988	1,169	2,181	2,940	2,627	2,545
Department of Defense, total .....	305,365	360,432	405,373	408,777	475,013	476,160	492,378	511,857
Department of the Army, total .....	61,164	68,358	72,856	85,671	87,431	79,396	67,556	61,303
Department of the Army, Civil Functions .....	73	138	111	112	201	237	290	215
Department of the Army, Military Functions .....	61,091	68,220	72,745	85,559	87,230	79,159	67,266	61,088
Department of the Navy .....	142,291	154,268	164,573	169,519	171,656	188,739	178,793	184,067
Dept of the Air Force .....	71,461	89,995	111,568	109,303	125,648	146,050	118,990	111,048
Defense Agencies .....	30,449	47,811	56,376	44,284	90,278	61,975	127,039	155,439
Department of Education .....	6,827	5,629	4,886	8,356	3,926	2,889	4,062	4,054
Department of Energy <sup>1</sup> .....	135,198	162,264	184,183	211,281	227,360	248,224	272,492	301,409
Dept of Hlth & Human Svcs, total .....	1,344,941	1,561,279	1,809,238	2,111,771	2,134,799	2,524,405	2,588,490	2,727,729
Alcohol, Drug Abuse, & Mental Health Administration .....	46,699	51,820	70,680	83,504	91,877	117,637	133,262	167,479
National Institutes of Health .....	1,296,428	1,502,084	1,733,130	2,024,067	2,039,122	2,399,688	2,451,575	2,551,559
Office of the Assistant Secretary for Health .....	1,814	7,375	5,428	4,200	3,800	7,080	3,653	8,691
Department of the Interior, total .....	10,320	11,468	15,184	13,806	17,184	11,017	14,139	20,929
Bureau of Mines .....	4,450	7,300	10,013	8,218	10,692	5,954	7,838	10,606
Geological Survey <sup>2</sup> .....	3,015	3,108	4,106	4,665	5,445	4,599	5,032	8,931
Office of Water Rsch & Tech <sup>2</sup> .....	2,110	260	265	NA	NA	NA	NA	NA
US Fish & Wildlife Svc .....	745	800	800	923	1,047	464	1,269	1,392
Department of Justice, total .....	715	1,267	1,924	781	1,150	2,407	2,965	1,705
Office of Justice Programs .....	715	1,267	1,924	781	1,150	2,407	2,965	1,705
Department of Labor, total .....	2,383	4,689	3,968	3,200	0	0	0	0
Employment & Training Admin .....	2,383	4,689	3,968	3,200	0	0	0	0
Department of State .....	0	0	0	0	0	323	340	340
Dept of Transportation, total .....	300	100	807	535	389	96	0	0
Maritime Administration .....	300	100	807	535	389	96	0	0
Department of the Treasury, total .....	0	198	255	159	100	100	0	220
Internal Revenue Service .....	0	198	255	159	100	100	0	220

See explanatory information, if any, and SOURCE at end of table.

**Table 30A. Federal obligations to university and college performers  
for basic research, by agency:  
fiscal years 1982-89**

[Dollars in thousands]

Page 2 of 2

Agency	1982	1983	1984	1985	1986	1987	1988	1989
Other agencies:								
Environmental Protection Agency .....	11,471	10,308	11,831	16,038	18,349	16,843	12,738	22,789
Federal Emergency Management Agency, total .....	690	0	0	0	0	0	0	0
International Development Cooperation Agency .....	0	89	52	81	154	791	545	663
Agency for Internat'l Dvlpmnt .....	0	89	52	81	154	791	545	663
Nat'l Aeronautics & Space Admin .....	125,876	140,081	148,442	176,886	182,928	220,060	254,936	298,712
National Science Foundation .....	674,313	736,502	831,736	943,136	937,141	1,021,981	1,070,194	1,173,233

<sup>1</sup> In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

<sup>2</sup> As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

**KEY:** NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 30B. Federal obligations to university and college performers  
for basic research, by agency:  
fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 2

Agency	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies .....	5,548,169	6,064,497	6,331,777	6,833,734	7,024,193	6,951,307	7,753,554	7,405,489
Departments:								
Department of Agriculture, total .....	163,955	173,075	198,547	196,979	199,238	192,870	188,434	198,942
Agricultural Research Service <sup>1</sup> .....	17,648	10,898	11,954	12,292	13,619	14,203	14,947	14,947
Cooperative State Research, Education, & Extension Svc <sup>2</sup> .....	141,676	155,431	174,907	175,906	177,795	169,287	164,233	174,741
Economic Research Service .....	180	246	311	333	449	318	188	188
Foreign Agricultural Service <sup>3</sup> .....	0	0	0	0	49	86	89	89
Forest Service .....	4,451	6,500	11,278	8,408	7,326	8,976	8,977	8,977
Office of International Cooperation & Development <sup>3</sup> .....	0	0	97	40	0	NA	NA	NA
Department of Commerce, total .....	4,656	4,295	2,980	3,057	3,535	3,581	3,537	3,664
Bureau of the Census .....	2,587	2,208	657	0	0	0	0	0
Nat'l Inst of Standards & Tech .....	2,069	2,087	2,323	3,057	3,535	3,581	3,537	3,664
Department of Defense, total .....	523,586	545,946	598,972	763,675	760,510	713,637	659,364	647,104
Department of the Army, total .....	58,954	55,540	62,316	60,407	68,256	71,100	80,124	74,892
Department of the Army, Civil Functions <sup>4</sup> .....	284	367	392	403	411	386	65	156
Department of the Army, Military Functions .....	58,670	55,173	61,924	60,004	67,845	70,714	80,059	74,736
Department of the Navy .....	194,441	215,595	219,746	216,727	199,396	210,598	191,453	198,812
Dept of the Air Force .....	118,812	111,048	101,147	138,217	174,330	135,818	122,919	125,593
Defense Agencies .....	151,379	163,763	215,763	348,324	318,528	296,121	264,868	247,807
Department of Education .....	4,549	4,631	5,255	4,323	4,504	4,338	2,310	1,782
Department of Energy .....	334,436	395,483	404,740	371,448	363,731	369,311	432,660	439,998
Dept of Hlth & Human Svcs, total .....	2,903,656	3,167,998	3,189,599	3,576,211	3,680,348	3,555,562	4,351,544	3,928,435
Alcohol, Drug Abuse, & Mental Health Administration <sup>5</sup> .....	215,597	262,340	NA	NA	NA	NA	NA	NA
Health Resources & Svcs Admin .....	0	0	0	0	246	0	0	0
Nat'l Institutes of Health <sup>5</sup> .....	2,688,059	2,905,658	3,189,599	3,576,211	3,680,102	3,555,562	4,351,544	3,928,435
Department of the Interior, total .....	26,756	27,315	28,404	25,324	11,375	4,883	6,279	5,715
Bureau of Land Management .....	0	987	587	587	0	0	0	0
Bureau of Mines .....	8,743	8,465	11,140	12,255	7,789	0	NA	NA
Bureau of Reclamation .....	95	0	0	0	0	0	0	0
Geological Survey <sup>6</sup> .....	14,918	14,918	13,626	9,113	2,600	4,000	6,090	5,480
National Biological Svc <sup>7 6</sup> .....	NA	NA	NA	0	781	745	NA	NA
National Park Service <sup>7</sup> .....	0	0	0	230	205	138	189	235
US Fish & Wildlife Svc <sup>7</sup> .....	3,000	2,945	3,051	3,139	0	0	0	0
Department of Justice, total .....	2,965	2,188	2,153	1,796	1,010	3,287	2,600	2,200
Office of Justice Programs .....	2,965	2,188	2,153	1,796	1,010	3,287	2,600	2,200
Department of Labor, total .....	0	0	0	4,527	4,200	9,321	5,100	0
Bureau of Labor Statistics .....	0	0	0	4,400	4,000	9,321	5,100	0
Employment & Training Admin .....	0	0	0	127	200	0	0	0
Department of State <sup>8</sup> .....	330	0	0	0	0	0	0	0
Dept of Transportation, total .....	0	0	0	1,655	2,311	0	15,202	607
Federal Highway Administration .....	0	0	0	1,655	2,311	0	15,202	607

See explanatory information, if any, and SOURCE at end of table.



**Table 30B. Federal obligations to university and college performers  
for basic research, by agency:  
fiscal years 1990-97**

[Dollars in thousands]

Page 2 of 2

Agency	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Other agencies:								
Environmental Protection Agency .....	37,129	37,413	61,182	16,583	17,991	16,024	15,025	17,115
International Development Cooperation Agency .....	1,755	1,421	1,353	34	16	21	81	24
Agency for Internat'l Dvlpmnt <sup>8</sup> .....	1,755	1,421	1,353	34	16	21	81	24
Nat'l Aeronautics & Space Admin .....	307,909	357,838	402,370	420,977	421,481	480,168	480,168	480,168
National Science Foundation .....	1,236,487	1,346,812	1,436,153	1,447,145	1,553,943	1,598,304	1,591,250	1,679,735
Tennessee Valley Authority .....	0	82	69	0	0	0	0	0

<sup>1</sup> The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

<sup>2</sup> The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

<sup>3</sup> The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

<sup>4</sup> The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

<sup>5</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

<sup>6</sup> As of FY 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

<sup>7</sup> The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

<sup>8</sup> Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

**KEY:** NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 31. Federal obligations to other nonprofit performers for basic research, by agency:  
fiscal years 1974-81**

[Dollars in thousands]

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Agency	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies .....	127,067	128,234	126,494	162,530	192,766	240,317	279,503	313,140
Departments:								
Department of Agriculture, total .....	211	79	180	109	110	133	118	1,163
Agricultural Research Service .....	NA	NA	NA	NA	NA	NA	NA	824
Forest Service .....	140	0	67	34	31	72	29	339
Science & Education Administration .....	71	79	113	75	79	61	89	NA
Department of Commerce, total .....	10	0	672	660	942	318	178	98
Economic Development Admin .....	0	0	672	600	942	318	178	98
National Fire Prevention & Control Administration <sup>1</sup> .....	NA	0	0	60	NA	NA	NA	NA
Nat'l Inst of Standards & Tech .....	10	0	0	0	0	0	0	0
Department of Defense, total .....	7,410	6,316	8,119	7,885	12,836	26,351	13,118	16,835
Department of the Army, total .....	3,157	2,111	4,485	2,138	4,792	16,112	2,842	3,179
Department of the Army, Military Functions .....	3,157	2,111	4,485	2,138	4,792	16,112	2,842	3,179
Department of the Navy .....	1,665	1,912	1,961	2,798	3,504	3,286	4,405	5,208
Dept of the Air Force .....	775	197	210	848	1,142	4,034	3,339	5,434
Defense Agencies .....	1,813	2,096	1,463	2,101	3,398	2,919	2,532	3,014
Department of Education .....	NA	NA	NA	NA	NA	5,127	5,599	0
Department of Energy <sup>2</sup> .....	NA	NA	NA	576	991	1,377	1,790	2,273
Department of Health, Education, & Welfare, total .....	90,750	92,881	94,303	125,508	135,237	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration .....	8,490	7,983	4,912	9,583	9,420	NA	NA	NA
Health Resources Admin .....	0	0	925	0	0	NA	NA	NA
National Inst of Education .....	1,011	173	1,919	3,207	5,084	NA	NA	NA
National Institutes of Health .....	80,570	84,311	86,329	111,560	119,755	NA	NA	NA
Office of Assistant Secretary for Health .....	0	0	0	864	958	NA	NA	NA
Office of the Secretary .....	679	414	218	294	20	NA	NA	NA
Dept of Hlth & Human Svcs, total .....	NA	NA	NA	NA	NA	168,916	213,783	231,733
Alcohol, Drug Abuse, & Mental Health Administration .....	NA	NA	NA	NA	NA	9,249	12,718	14,169
National Institutes of Health .....	NA	NA	NA	NA	NA	158,056	200,328	216,899
Office of the Assistant Secretary for Health .....	NA	NA	NA	NA	NA	1,611	737	665
Department of the Interior, total .....	29	0	0	0	0	0	0	0
National Park Service .....	18	0	0	0	0	0	0	0
Office of Water Rsch & Tech .....	11	0	0	0	0	0	0	0
Department of Justice, total .....	629	1,967	1,519	2,348	7,573	3,420	5,618	2,997
Office of Justice Programs .....	629	1,967	1,519	2,348	7,573	3,420	5,618	2,997
Department of Labor, total .....	254	0	126	0	72	0	461	772
Employment & Training Admin .....	76	0	0	0	72	0	461	772
Labor-Management Svcs Admin .....	178	0	126	0	0	0	0	0
Department of State, total <sup>3</sup> .....	0	0	0	0	0	18	0	0
Departmental Funds .....	0	0	0	0	0	18	0	0
Department of the Treasury, total .....	0	0	0	0	0	0	73	0
Internal Revenue Service .....	0	0	0	0	0	0	73	0
Department of Veterans Affairs .....	7	73	0	53	113	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table 31. Federal obligations to other nonprofit performers for basic research, by agency:  
fiscal years 1974-81**

[Dollars in thousands]

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Agency	1974	1975	1976	1977	1978	1979	1980	1981
Other agencies:								
ACTION .....	0	0	5	36	0	0	0	0
Energy Research & Dvlpmt Admin <sup>2</sup> ..	428	105	841	NA	NA	NA	NA	NA
Environmental Protection Agency .....	600	800	310	255	0	0	0	0
Federal Emergency Management								
Agency, total <sup>4</sup> 1 .....	NA	NA	NA	NA	106	100	90	105
National Fire Prevention &								
Control Administration <sup>1</sup> .....	NA	NA	NA	NA	106	0	0	0
Foundation for Educational								
Assistance .....	NA	NA	NA	NA	NA	NA	NA	7,718
General Services Administration .....	383	217	0	0	90	0	0	0
Nat'l Aeronautics & Space Admin .....	12,117	5,417	2,718	4,000	6,000	6,810	8,457	14,770
National Science Foundation .....	14,180	20,208	17,374	20,537	27,790	25,755	30,218	34,580
Off of Telecommunications Policy .....	0	0	119	NA	NA	NA	NA	NA
Smithsonian Institution .....	59	171	208	563	906	1,992	0	0
United States Information Agcy <sup>5</sup> .....	0	0	0	0	0	0	0	96

<sup>1</sup> Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

<sup>2</sup> In 1977 the Energy Research & Development Administration became part of the Department of Energy.

<sup>3</sup> The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

<sup>4</sup> Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

<sup>5</sup> Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

**KEY:** NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 31A. Federal obligations to other nonprofit performers for basic research, by agency:  
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 1

Agency	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies .....	355,605	409,585	473,575	555,786	572,139	657,702	728,644	838,871
Departments:								
Department of Agriculture, total .....	1,695	1,670	1,181	2,766	3,155	1,716	2,321	2,851
Agricultural Research Service .....	388	690	500	1,473	1,123	467	1,007	1,880
Cooperative State Research, Education, & Extension Svc .....	1,278	960	681	1,254	1,398	866	1,139	560
Forest Service .....	29	20	0	39	634	383	175	411
Department of Commerce, total .....	0	25	0	0	260	259	299	148
Nat'l Inst of Standards & Tech .....	0	25	0	0	260	259	299	148
Department of Defense, total .....	19,904	27,444	26,558	39,466	31,276	21,752	20,077	27,049
Department of the Army, total .....	3,841	5,051	5,284	6,204	7,551	7,700	4,106	3,281
Department of the Army, Military Functions .....	3,841	5,051	5,284	6,204	7,551	7,700	4,106	3,281
Department of the Navy .....	6,216	7,956	5,760	19,817	11,956	6,249	7,797	15,514
Dept of the Air Force .....	5,944	7,749	9,371	9,572	9,855	5,827	6,311	4,804
Defense Agencies .....	3,903	6,688	6,143	3,873	1,914	1,976	1,863	3,450
Department of Education .....	3,736	4,638	3,915	3,016	35	0	0	25
Department of Energy <sup>1</sup> .....	2,241	2,613	5,831	14,528	12,657	16,611	22,691	68,208
Dept of Hlth & Human Svcs, total .....	271,256	311,302	355,323	415,092	422,391	504,174	566,373	604,661
Alcohol, Drug Abuse, & Mental Health Administration .....	13,771	10,020	14,544	15,744	14,979	17,102	26,385	28,220
Human Development Services .....	400	0	0	0	0	0	0	0
National Institutes of Health .....	256,876	299,892	340,395	398,052	405,925	485,689	538,456	574,602
Office of the Assistant Secretary for Health .....	209	1,390	384	1,296	1,487	1,383	1,532	1,839
Department of Justice, total .....	2,159	2,281	2,179	2,939	3,325	4,695	3,132	3,022
Office of Justice Programs .....	2,159	2,281	2,179	2,939	3,325	4,695	3,132	3,022
Department of Labor, total .....	2,685	0	0	0	0	750	0	302
Employment & Training Admin .....	2,685	0	0	0	0	750	0	302
Department of State .....	0	0	0	0	0	2,131	2,581	3,055
Dept of Transportation, total .....	200	0	0	0	0	0	0	0
Maritime Administration .....	200	0	0	0	0	0	0	0
Other agencies:								
Federal Emergency Management Agency, total .....	58	0	0	0	0	0	0	0
International Development Cooperation Agency .....	0	189	2,038	452	3,166	1,930	2,428	2,156
Agency for Internat'l Dvlpmnt .....	0	189	2,038	452	3,166	1,930	2,428	2,156
Nat'l Aeronautics & Space Admin .....	18,191	22,571	23,875	18,570	27,102	27,478	29,022	39,264
National Science Foundation .....	33,480	36,852	52,675	58,957	68,772	76,206	79,720	88,130

<sup>1</sup> In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 31B. Federal obligations to other nonprofit performers for basic research, by agency:  
fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 1

Agency	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies .....	924,100	1,015,454	1,097,168	1,164,896	1,125,657	1,134,172	1,062,119	1,270,164
Departments:								
Department of Agriculture, total .....	3,203	3,902	3,791	4,593	3,856	4,682	6,054	4,051
Agricultural Research Service <sup>1</sup> .....	1,900	1,448	1,982	2,285	2,285	2,100	3,473	1,469
Cooperative State Research, Education, & Extension Svc <sup>2</sup> .....	1,298	2,184	1,453	2,146	1,544	2,243	2,242	2,243
Forest Service .....	5	270	356	162	27	339	339	339
Department of Commerce, total .....	180	246	200	120	150	184	191	198
Nat'l Inst of Standards & Tech .....	180	246	200	120	150	184	191	198
Department of Defense, total .....	27,332	20,895	28,410	38,161	40,641	39,554	38,092	38,923
Department of the Army, total .....	3,910	5,479	4,472	3,165	3,597	3,227	3,286	3,014
Department of the Army, Military Functions .....	3,910	5,479	4,472	3,165	3,597	3,227	3,286	3,014
Department of the Navy .....	16,470	10,520	12,696	28,425	28,712	27,003	24,915	25,921
Dept of the Air Force .....	4,825	3,535	9,550	3,194	5,996	5,807	6,894	7,056
Defense Agencies .....	2,127	1,361	1,692	3,377	2,336	3,517	2,997	2,932
Department of Education .....	25	3,300	1,653	797	792	1,000	1,000	1,000
Department of Energy .....	88,223	112,251	104,093	121,448	14,863	15,757	16,336	14,042
Dept of Hlth & Human Svcs, total .....	659,721	710,675	755,390	825,286	852,974	851,092	772,928	972,741
Alcohol, Drug Abuse, & Mental Health Administration <sup>3</sup> .....	41,894	50,924	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health <sup>3</sup> .....	617,827	659,751	755,390	825,286	852,974	851,092	772,928	972,741
Department of the Interior, total .....	0	965	404	35	0	0	51	100
Geological Survey <sup>4</sup> .....	0	965	404	35	0	0	0	0
National Park Service <sup>5</sup> .....	0	0	0	0	0	0	51	100
Department of Justice, total .....	5,187	3,400	856	2,194	3,367	3,445	4,886	8,500
Office of Justice Programs .....	5,187	3,400	856	2,194	3,367	3,445	4,886	8,500
Department of Labor, total .....	0	270	175	0	0	0	0	0
Employment & Training Admin .....	0	270	175	0	0	0	0	0
Department of State <sup>6</sup> .....	3,122	4,516	4,784	4,708	7,763	4,443	3,680	3,680
Dept of Transportation, total .....	0	0	1,169	0	0	17,479	16,634	12,096
Federal Highway Administration .....	0	0	1,169	0	0	17,479	16,634	12,096
Other agencies:								
Environmental Protection Agency .....	0	0	0	0	21,163	5,251	4,924	5,609
International Development Cooperation Agency .....	2,980	3,671	1,737	7,330	1,477	1,911	1,245	3,765
Agency for Internat'l Dvlpm <sup>6</sup> .....	2,980	3,671	1,737	7,330	1,477	1,911	1,245	3,765
Nat'l Aeronautics & Space Admin .....	42,123	50,042	60,192	62,909	60,605	59,733	60,544	56,317
National Science Foundation .....	92,004	101,321	134,314	97,315	118,006	129,641	135,554	149,142

<sup>1</sup> The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

<sup>2</sup> The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

<sup>3</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

<sup>4</sup> As of FY 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

<sup>5</sup> The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

<sup>6</sup> Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

**KEY:** NA= Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 32. Federal obligations to FFRDCs administered by industrial firms  
for basic research, by agency: fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 1

Agency	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies .....	31,545	47,857	59,811	53,065	65,416	66,642	70,352	73,278
Department of Commerce, total .....	0	0	150	0	0	0	0	0
Economic Development Admin .....	0	0	150	0	0	0	0	0
Department of Defense, total .....	0	0	0	0	0	0	0	281
Department of the Navy .....	0	0	0	0	0	0	0	87
Defense Agencies .....	0	0	0	0	0	0	0	194
Department of Energy <sup>1</sup> .....	NA	NA	NA	47,407	51,190	52,986	58,342	62,221
Department of Health, Education, & Welfare, total .....	0	8,320	16,519	5,366	12,582	NA	NA	NA
National Institutes of Health .....	0	8,320	16,519	5,366	12,582	NA	NA	NA
Dept of Hlth & Human Svcs, total .....	NA	NA	NA	NA	NA	11,659	10,258	9,112
National Institutes of Health .....	NA	NA	NA	NA	NA	11,659	10,258	9,112
Other agencies:								
Energy Research & Dvlpmt Admin <sup>1</sup> ...	30,298	38,044	41,322	NA	NA	NA	NA	NA
Nat'l Aeronautics & Space Admin .....	44	5	0	0	0	0	0	0
National Science Foundation .....	1,200	1,488	1,820	292	1,644	1,997	1,752	1,664
Smithsonian Institution .....	3	0	0	0	0	0	0	0

<sup>1</sup> In 1977 the Energy Research & Development Administration became part of the Department of Energy.

**KEY:** FFRDCs = Federally funded research and development centers  
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 32A. Federal obligations to FFRDCs administered by industrial firms  
for basic research, by agency: fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 1

Agency	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies .....	87,384	82,961	91,090	122,595	117,561	119,928	133,037	223,872
Departments:								
Department of Agriculture, total .....	100	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc .....	100	0	0	0	0	0	0	0
Department of Defense, total .....	89	724	477	2,430	1,441	876	559	648
Department of the Army, total .....	15	10	159	1,308	425	185	0	150
Department of the Army, Military Functions .....	15	10	159	1,308	425	185	0	150
Department of the Navy .....	0	0	0	704	574	289	111	135
Dept of the Air Force .....	0	245	318	268	358	313	448	288
Defense Agencies .....	74	469	0	150	84	89	0	75
Department of Energy <sup>1</sup> .....	74,286	75,843	82,994	99,532	101,363	109,838	120,516	154,088
Dept of Hlth & Human Svcs, total .....	10,756	5,009	6,540	13,818	9,223	3,815	7,660	65,110
National Institutes of Health .....	10,756	5,009	6,540	13,818	9,223	3,815	7,660	65,110
Department of the Interior, total .....	0	0	0	5,391	3,800	3,760	3,550	3,550
Bureau of Mines .....	0	0	0	5,391	3,800	3,760	3,550	3,550
Other agencies:								
National Science Foundation .....	2,153	1,385	1,079	1,424	1,734	1,639	752	476

<sup>1</sup> In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

**KEY:** FFRDCs = Federally funded research and development centers

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 32B. Federal obligations to FFRDCs administered by industrial firms  
for basic research, by agency: fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 1

Agency	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies .....	246,804	263,995	247,230	243,603	237,622	239,112	339,947	368,295
Department of Defense, total .....	457	5,292	544	758	497	1,555	770	819
Department of the Army, total .....	71	78	74	0	0	825	208	223
Department of the Army, Military Functions .....	71	78	74	0	0	825	208	223
Department of the Navy .....	205	205	200	324	94	0	0	0
Dept of the Air Force .....	0	0	87	0	0	39	0	0
Defense Agencies .....	181	5,009	183	434	403	691	562	596
Department of Energy .....	164,436	192,943	176,956	178,423	163,823	163,263	237,579	241,123
Dept of Hlth & Human Svcs, total .....	79,755	63,304	68,056	63,554	72,955	74,284	100,481	126,193
Nat'l Institutes of Health <sup>1</sup> .....	79,755	63,304	68,056	63,554	72,955	74,284	100,481	126,193
Department of the Interior, total .....	1,793	1,779	1,283	460	347	0	0	0
Bureau of Mines .....	1,793	1,779	1,283	460	347	0	NA	NA
Dept of Transportation, total .....	0	0	0	0	0	0	1,109	150
Federal Highway Administration .....	0	0	0	0	0	0	1,109	150
Other agencies:								
National Science Foundation .....	363	677	391	408	0	10	8	10

<sup>1</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

**KEY:** FFRDCs = Federally funded research and development centers

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997



**Table 33. Federal obligations to FFRDCs administered by universities and colleges  
for basic research, by agency: fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 1

Agency	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies .....	223,098	257,548	284,884	324,119	356,772	393,607	436,824	490,565
Department of Commerce, total .....	0	0	0	310	0	0	0	0
National Fire Prevention & Control Administration <sup>1</sup> .....	NA	0	0	310	NA	NA	NA	NA
Department of Defense, total .....	2,820	1,258	340	896	1,193	9,247	24,177	29,943
Department of the Army, total .....	0	0	0	0	0	0	45	365
Department of the Army, Military Functions .....	0	0	0	0	0	0	45	365
Department of the Navy .....	221	238	0	420	425	0	0	858
Dept of the Air Force .....	0	0	0	0	0	60	0	0
Defense Agencies .....	2,599	1,020	340	476	768	9,187	24,132	28,720
Department of Energy <sup>2</sup> .....	NA	NA	NA	265,534	289,910	299,288	331,311	369,293
Department of Health, Education, & Welfare, total .....	1,730	1,102	2,017	2,253	2,953	NA	NA	NA
Health Resources Admin .....	500	0	0	0	0	NA	NA	NA
National Institutes of Health .....	1,230	1,102	2,017	2,253	2,953	NA	NA	NA
Dept of Hlth & Human Svcs, total .....	NA	NA	NA	NA	NA	6,250	6,940	8,585
National Institutes of Health .....	NA	NA	NA	NA	NA	6,250	6,940	8,585
Dept of Transportation, total .....	95	0	0	0	0	0	0	0
Office of the Secretary .....	95	0	0	0	0	0	0	0
Other agencies:								
Energy Research & Dvlpmt Admin <sup>2</sup> ...	176,366	206,076	231,645	NA	NA	NA	NA	NA
Federal Emergency Management Agency, total <sup>3 1</sup> .....	NA	NA	NA	NA	246	0	0	0
National Fire Prevention & Control Administration <sup>1</sup> .....	NA	NA	NA	NA	246	0	0	0
Nat'l Aeronautics & Space Admin .....	3,498	11,650	8,394	9,317	9,195	11,700	15,623	11,775
National Science Foundation .....	38,589	37,462	42,488	45,809	53,275	67,122	58,773	70,969

<sup>1</sup> Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

<sup>2</sup> In 1977 the Energy Research & Development Administration became part of the Department of Energy.

<sup>3</sup> Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

**KEY:** FFRDCs = Federally funded research and development centers  
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 33A. Federal obligations to FFRDCs administered by universities and colleges  
for basic research, by agency: fiscal years 1982-89**

[Dollars in thousands]

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Agency	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies .....	516,704	603,956	668,880	724,205	724,130	906,703	989,811	1,098,059
Departments:								
Department of Agriculture, total .....	105	65	120	55	165	210	0	493
Cooperative State Research, Education, & Extension Svc .....	105	65	120	55	165	210	0	493
Department of Commerce, total .....	0	0	119	54	84	72	110	107
Nat'l Inst of Standards & Tech .....	0	0	119	54	84	72	110	107
Department of Defense, total .....	5,327	9,232	12,588	9,473	8,621	21,295	11,128	12,339
Department of the Army, total .....	547	270	518	848	1,747	623	133	751
Department of the Army, Military Functions .....	547	270	518	848	1,747	623	133	751
Department of the Navy .....	0	25	0	894	862	1,337	1,712	1,170
Dept of the Air Force .....	1,190	2,179	3,129	3,048	2,564	4,354	3,770	2,159
Defense Agencies .....	3,590	6,758	8,941	4,683	3,448	14,981	5,513	8,259
Department of Energy <sup>1</sup> .....	409,290	476,005	517,282	561,699	562,329	625,806	689,286	775,034
Dept of Hlth & Human Svcs, total .....	11,547	13,274	13,292	15,756	17,042	17,521	17,153	17,324
Alcohol, Drug Abuse, & Mental Health Administration .....	79	75	0	104	107	123	207	0
National Institutes of Health .....	11,468	13,199	13,292	15,652	16,935	17,398	16,946	17,324
Dept of Transportation, total .....	0	300	0	0	0	0	0	0
Coast Guard .....	0	300	0	0	0	0	0	0
Other agencies:								
Environmental Protection Agency .....	0	0	117	566	102	177	126	162
Nat'l Aeronautics & Space Admin .....	18,409	30,626	35,183	51,500	54,585	153,149	183,777	197,589
National Science Foundation .....	72,026	74,454	90,179	85,102	81,202	88,473	88,231	95,011

<sup>1</sup> In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

**NOTE:** In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

**KEY:** FFRDCs = Federally funded research and development centers

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 33B. Federal obligations to FFRDCs administered by universities and colleges  
for basic research, by agency: fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 1

Agency	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies .....	1,227,261	1,306,245	1,394,148	1,402,662	1,336,044	1,438,315	1,503,521	1,519,706
Department of Commerce, total .....	96	132	151	16	145	125	129	134
Nat'l Inst of Standards & Tech .....	96	132	151	16	145	125	129	134
Department of Defense, total .....	10,212	12,872	10,963	14,875	4,212	4,989	5,616	4,195
Department of the Army, total .....	4,348	3,113	4,490	4,692	245	335	343	312
Department of the Army, Military Functions .....	4,348	3,113	4,490	4,692	245	335	343	312
Department of the Navy .....	2,045	2,495	2,985	1,897	1,807	407	1,116	1,160
Dept of the Air Force .....	0	46	87	96	0	56	68	69
Defense Agencies .....	3,819	7,218	3,401	8,190	2,160	4,191	4,089	2,654
Department of Energy .....	795,264	847,783	910,242	943,924	931,007	959,828	1,054,556	1,095,578
Dept of Hlth & Human Svcs, total .....	17,382	17,109	15,183	17,025	15,319	15,399	13,370	17,089
Alcohol, Drug Abuse, & Mental Health Administration <sup>1</sup> .....	202	115	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health <sup>1</sup> .....	17,180	16,994	15,183	17,025	15,319	15,399	13,370	17,089
Department of the Interior, total .....	0	0	0	0	75	80	0	0
National Park Service <sup>2</sup> .....	0	0	0	0	75	80	0	0
Dept of Transportation, total .....	0	0	0	0	111	15,949	0	150
Federal Highway Administration .....	0	0	0	0	111	15,949	0	150
Other agencies:								
Environmental Protection Agency .....	0	75	189	0	0	0	0	0
Nat'l Aeronautics & Space Admin .....	298,324	317,164	333,519	308,077	259,528	301,133	294,301	257,229
National Science Foundation .....	105,983	111,110	123,901	118,745	125,647	140,812	135,549	145,331

<sup>1</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

<sup>2</sup> The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

**KEY:** FFRDCs = Federally funded research and development centers  
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 34. Federal obligations to FFRDCs administered by other nonprofit institutions  
for basic research, by agency: fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 1

Agency	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies .....	6,210	13,824	7,892	5,645	5,769	6,700	7,509	8,638
Departments:								
Department of Agriculture, total .....	171	66	0	0	0	0	0	0
Forest Service .....	171	66	0	0	0	0	0	0
Department of Defense, total .....	2,213	375	1,134	435	456	634	1,035	1,247
Department of the Navy .....	0	0	0	41	60	140	450	220
Dept of the Air Force .....	0	0	0	0	0	35	35	600
Defense Agencies .....	2,213	375	1,134	394	396	459	550	427
Department of Energy <sup>1</sup> .....	NA	NA	NA	3,517	3,936	5,361	5,587	5,907
Department of Health, Education, & Welfare, total .....	1,077	458	824	682	412	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration .....	57	39	58	0	0	NA	NA	NA
Health Resources Admin .....	387	0	0	0	0	NA	NA	NA
National Institutes of Health .....	633	419	766	682	412	NA	NA	NA
Dept of Hlth & Human Svcs, total .....	NA	NA	NA	NA	NA	258	347	814
National Institutes of Health .....	NA	NA	NA	NA	NA	258	347	814
Department of Justice, total .....	0	951	1,055	0	190	0	0	0
Office of Justice Programs .....	0	951	1,055	0	190	0	0	0
Other agencies:								
Energy Research & Dvlpmt Admin <sup>1</sup> ...	2,669	10,731	3,158	NA	NA	NA	NA	NA
Nat'l Aeronautics & Space Admin .....	80	509	1,056	634	206	271	300	562
National Science Foundation .....	0	734	618	377	569	176	240	108
Off of Telecommunications Policy .....	0	0	47	NA	NA	NA	NA	NA

<sup>1</sup> In 1977 the Energy Research & Development Administration became part of the Department of Energy.

**KEY:** FFRDCs = Federally funded research and development centers  
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 34A. Federal obligations to FFRDCs administered by other nonprofit institutions  
for basic research, by agency: fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 1

Agency	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies .....	8,990	8,031	8,187	12,441	12,985	13,302	17,673	42,192
Department of Defense, total .....	351	793	759	1,040	875	812	1,623	1,027
Department of the Army, total .....	0	0	0	0	84	0	476	210
Department of the Army, Military Functions .....	0	0	0	0	84	0	476	210
Department of the Navy .....	185	215	253	217	91	245	143	70
Dept of the Air Force .....	0	185	125	406	265	37	0	0
Defense Agencies .....	166	393	381	417	435	530	1,004	747
Department of Energy <sup>1</sup> .....	7,607	6,544	6,731	10,359	11,560	12,042	12,381	35,684
Dept of Hlth & Human Svcs, total .....	329	441	360	356	214	278	3,226	3,248
National Institutes of Health .....	329	441	360	356	214	278	3,226	3,248
Other agencies:								
Nat'l Aeronautics & Space Admin .....	410	203	179	686	336	170	384	1,856
National Science Foundation .....	293	50	158	0	0	0	59	377

<sup>1</sup> In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

**NOTE:** In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

**KEY:** FFRDCs = Federally funded research and development centers

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 34B. Federal obligations to FFRDCs administered by other nonprofit institutions  
for basic research, by agency: fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 1

Agency	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies .....	59,240	80,840	65,473	71,257	73,942	75,217	71,617	82,910
Department of Defense, total .....	3,107	23,047	964	3,944	680	2,197	849	343
Department of the Army, total .....	96	100	0	0	0	6	0	0
Department of the Army, Military Functions .....	96	100	0	0	0	6	0	0
Department of the Navy .....	0	0	150	150	150	0	158	0
Dept of the Air Force .....	700	22,400	0	1,275	24	0	29	28
Defense Agencies .....	2,311	547	814	2,519	506	2,191	662	315
Department of Energy .....	47,116	51,301	55,039	56,663	62,704	61,415	60,393	70,024
Dept of Hlth & Human Svcs, total .....	7,229	5,056	7,870	6,989	8,335	9,734	8,565	10,779
Nat'l Institutes of Health <sup>1</sup> .....	7,229	5,056	7,870	6,989	8,335	9,734	8,565	10,779
Department of the Treasury, total .....	0	0	0	2,155	0	0	0	0
Internal Revenue Service <sup>2 3</sup> .....	0	0	0	2,155	0	0	0	0
Other agencies:								
Nat'l Aeronautics & Space Admin .....	1,530	1,131	1,269	1,176	1,988	1,292	1,255	1,267
National Science Foundation .....	258	305	331	330	235	579	555	497

<sup>1</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

<sup>2</sup> Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.

<sup>3</sup> Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.

**KEY:** FFRDCs = Federally funded research and development centers

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 35. Federal obligations for basic research, by detailed field of science and engineering:  
fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1974	1975	1976	1977	1978	1979	1980	1981
Total, all fields .....	2,387,681	2,588,427	2,767,454	3,258,640	3,698,604	4,192,665	4,674,156	5,041,295
Life sciences, total .....	1,032,164	1,115,929	1,222,015	1,383,365	1,588,390	1,891,777	2,054,425	2,223,848
Biol & agricultural, total .....	691,875	747,014	818,412	933,574	1,078,679	1,279,290	1,339,434	1,462,372
Biol (excl environmental) .....	NA	NA	NA	NA	874,485	1,055,525	1,099,856	1,201,686
Environmental biology .....	NA	NA	NA	NA	64,345	90,802	86,118	83,299
Agricultural .....	NA	NA	NA	NA	139,849	132,963	153,460	177,387
Medical sciences, total .....	317,584	342,355	374,381	414,789	467,672	560,110	656,963	706,205
Clinical medical .....	32,932	38,826	41,562	39,575	NA	NA	NA	NA
Other medical .....	284,652	303,529	332,819	375,214	NA	NA	NA	NA
Life sciences, n.e.c. ....	22,705	26,560	29,222	35,002	42,039	52,377	58,028	55,271
Psychology, total .....	46,124	58,642	45,529	55,717	67,473	75,069	84,206	90,992
Biological aspects .....	18,602	18,231	18,474	22,526	23,487	26,360	30,160	30,545
Social aspects .....	18,018	22,181	16,086	20,043	25,259	33,989	31,259	30,211
Psychological sciences, n.e.c. ....	9,504	18,230	10,969	13,148	18,727	14,720	22,787	30,236
Physical sciences, total .....	649,605	708,959	721,435	889,994	941,421	1,050,002	1,220,588	1,324,940
Astronomy .....	133,341	163,028	159,960	193,321	209,832	280,643	279,420	274,227
Chemistry .....	149,275	158,648	168,265	208,695	203,260	224,798	256,922	298,188
Physics .....	360,300	378,973	388,440	467,414	518,798	535,624	668,155	735,417
Physical sciences, n.e.c. ....	6,689	8,310	4,770	20,564	9,531	8,937	16,091	17,108
Environmental sciences, total .....	291,642	280,763	294,325	387,454	451,278	457,284	522,360	532,833
Atmospheric sciences .....	138,462	111,039	114,007	143,464	163,275	169,172	179,048	173,829
Geological sciences .....	80,909	88,593	95,705	128,720	145,114	157,603	198,335	194,205
Oceanography .....	62,870	73,211	76,580	104,593	120,720	119,110	130,678	143,294
Environmental sciences, n.e.c. ....	9,401	7,920	8,033	10,677	22,169	11,399	14,299	21,505
Math & computer sciences, total .....	52,739	62,007	81,805	83,408	97,737	104,164	116,258	140,360
Mathematics .....	NA	NA	43,176	52,135	55,871	59,964	66,825	79,174
Computer sciences .....	NA	NA	26,594	31,018	40,294	42,956	46,215	52,205
Math & computer sci, n.e.c. ....	NA	NA	12,035	255	1,572	1,244	3,218	8,981
Engineering, total .....	214,872	262,847	272,799	337,683	392,561	434,658	465,228	526,018
Aeronautical .....	32,209	30,163	31,988	49,520	82,815	88,437	104,157	113,284
Astronautical .....	11,066	11,292	11,850	10,180	14,941	25,167	27,184	33,179
Chemical .....	11,309	16,350	18,425	24,034	24,104	24,611	26,148	31,330
Civil .....	10,080	7,722	7,786	10,356	10,842	14,164	21,963	23,362
Electrical .....	38,448	47,766	53,079	55,139	57,405	62,025	70,586	78,508
Mechanical .....	17,285	17,631	20,116	29,628	29,488	35,891	42,227	47,378
Metallurgy & materials .....	74,646	99,720	103,273	124,888	134,539	151,117	121,337	138,480
Engineering, n.e.c. ....	19,829	32,203	26,282	33,938	38,427	33,246	51,626	60,497
Social sciences, total .....	74,831	73,757	86,426	95,513	124,347	129,718	147,180	136,951
Anthropology .....	8,800	6,984	6,429	8,040	11,957	12,488	14,234	13,078
Economics .....	25,122	22,066	25,634	29,085	33,564	32,676	40,010	34,112
Political science .....	2,221	1,607	2,999	2,544	3,245	4,135	7,403	6,286
Sociology .....	14,430	15,069	16,602	15,936	18,588	18,406	25,377	22,593
Social sciences, n.e.c. ....	24,258	28,031	34,762	39,908	56,993	62,013	60,156	60,882
History .....	5,855	5,999	NA	NA	NA	NA	NA	NA
Linguistics .....	2,143	2,108	NA	NA	NA	NA	NA	NA
Other social sciences .....	16,260	19,924	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c. ....	25,704	25,523	43,120	25,506	35,397	49,993	63,911	65,353

**KEY:** NA = Not applicable (indicates that the data collected for this table were not recorded at that level for that particular fiscal year)  
n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table 35A. Federal obligations for basic research, by detailed field of science and engineering:  
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1982	1983	1984	1985	1986	1987	1988	1989
Total, all fields .....	5,481,605	6,260,131	7,067,359	7,818,682	8,153,076	8,942,425	9,473,618	10,602,011
Life sciences, total .....	2,526,017	2,891,336	3,287,634	3,786,595	3,858,783	4,361,947	4,501,756	4,915,721
Biol & agricultural, total .....	1,674,752	1,928,774	2,174,668	2,515,484	2,542,950	2,870,370	2,855,327	3,102,884
Biol (excl environmental) .....	1,401,192	1,621,857	1,835,765	2,106,327	2,151,462	2,461,499	2,414,895	2,647,192
Environmental biology .....	83,164	92,672	120,769	125,672	125,741	141,002	146,763	157,342
Agricultural .....	190,396	214,245	218,134	283,485	265,747	267,869	293,669	298,350
Medical sciences .....	793,419	878,922	1,015,300	1,145,437	1,196,592	1,340,986	1,573,227	1,708,392
Life sciences, n.e.c. ....	57,846	83,640	97,666	125,674	119,241	150,591	73,202	104,445
Psychology, total .....	89,875	92,927	107,861	132,840	132,955	147,149	177,839	187,135
Biological aspects .....	32,897	31,396	43,674	48,032	47,007	49,283	52,385	61,043
Social aspects .....	33,655	32,822	33,434	46,854	45,282	45,548	40,941	38,088
Psychological sciences, n.e.c. ....	23,323	28,709	30,753	37,954	40,666	52,318	84,513	88,004
Physical sciences, total .....	1,393,844	1,587,183	1,727,982	1,815,239	1,914,426	2,096,007	2,199,620	2,506,466
Astronomy .....	271,114	354,466	379,553	400,676	453,050	504,500	458,524	524,643
Chemistry .....	312,002	362,188	403,367	425,019	433,359	445,056	470,752	504,631
Physics .....	790,741	855,104	921,430	959,884	1,003,363	1,072,285	1,205,504	1,395,314
Physical sciences, n.e.c. ....	19,987	15,425	23,632	29,660	24,654	74,166	64,840	81,878
Environmental sciences, total .....	520,049	580,050	656,731	699,675	749,093	781,010	872,666	1,016,909
Atmospheric sciences .....	163,195	172,633	192,172	209,215	240,417	243,805	280,712	316,396
Geological sciences .....	177,487	178,292	198,010	249,988	265,478	266,173	267,329	334,926
Oceanography .....	154,465	195,615	220,131	219,258	224,304	249,834	269,422	293,533
Environmental sciences, n.e.c. ....	24,902	33,510	46,418	21,214	18,894	21,198	55,203	72,054
Math & computer sciences, total .....	165,064	208,129	240,806	259,998	293,389	306,378	313,243	345,782
Mathematics .....	90,862	100,906	113,865	130,293	142,422	158,371	165,371	167,789
Computer sciences .....	67,448	90,441	104,789	116,071	131,401	128,547	125,496	159,544
Math & computer sci, n.e.c. ....	6,754	16,782	22,152	13,634	19,566	19,460	22,376	18,449
Engineering, total .....	610,467	689,503	844,991	884,236	968,508	989,479	1,006,228	1,183,717
Aeronautical .....	126,465	140,713	225,509	191,480	226,257	237,386	230,979	327,892
Astronautical .....	44,845	50,352	52,378	41,575	52,457	48,769	48,433	58,867
Chemical .....	35,184	50,402	55,534	74,448	73,026	77,450	88,622	50,081
Civil .....	31,977	32,426	41,861	43,601	45,165	45,679	46,127	51,656
Electrical .....	93,625	95,820	130,365	144,890	156,323	175,440	153,957	173,838
Mechanical .....	53,120	60,722	64,129	88,204	83,585	87,229	83,549	100,832
Metallurgy & materials .....	155,888	182,892	187,340	211,852	228,479	209,769	230,116	254,840
Engineering, n.e.c. ....	69,363	76,176	87,875	88,186	103,216	107,757	124,445	165,711
Social sciences, total .....	120,198	137,723	132,581	140,684	113,464	129,519	146,781	154,620
Anthropology .....	13,063	11,175	16,839	15,822	11,196	12,325	12,064	12,084
Economics .....	38,950	40,982	29,671	34,274	26,262	28,954	34,706	37,695
Political science .....	4,361	4,596	4,086	5,761	4,143	5,533	5,101	5,426
Sociology .....	18,739	32,772	33,920	32,438	29,996	34,332	36,800	38,196
Social sciences, n.e.c. ....	45,085	48,198	48,065	52,389	41,867	48,375	58,110	61,219
Other sciences, n.e.c. ....	56,091	73,280	68,773	99,415	122,458	130,936	255,485	291,661

**KEY:** n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997



**Table 35B. Federal obligations for basic research, by detailed field of science and engineering:  
fiscal years 1990-97**

[Dollars in thousands]

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Field of science and engineering	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all fields .....	11,285,593	12,170,794	12,489,864	13,399,121	13,552,858	13,895,493	14,482,056	14,732,254
Life sciences, total .....	5,177,543	5,433,552	5,841,708	6,288,812	6,478,618	6,645,283	6,896,148	7,043,376
Biol & agricultural, total .....	3,219,006	3,374,854	3,517,612	3,787,794	3,729,811	3,855,846	NA	NA
Biol (excl environmental) .....	2,742,154	2,868,497	2,981,840	3,222,473	3,137,665	3,198,638	NA	NA
Environmental biology .....	168,325	186,938	201,597	223,156	221,647	289,807	NA	NA
Agricultural .....	308,527	319,419	334,175	342,165	370,499	367,401	NA	NA
Medical sciences .....	1,849,627	1,857,739	2,131,031	2,380,887	2,594,640	2,640,553	NA	NA
Life sciences, n.e.c. ....	108,910	200,959	193,065	120,131	154,167	148,884	NA	NA
Psychology, total .....	215,057	225,520	122,551	246,785	247,541	275,539	288,588	294,389
Biological aspects .....	65,334	68,228	14,332	18,085	23,598	28,925	NA	NA
Social aspects .....	60,948	69,227	16,856	16,016	16,273	22,230	NA	NA
Psychological sciences, n.e.c. ....	88,775	88,065	91,363	212,684	207,670	224,384	NA	NA
Physical sciences, total .....	2,661,508	2,881,462	2,951,429	2,907,135	2,831,610	2,863,026	3,160,678	3,185,627
Astronomy .....	579,940	612,311	729,687	663,436	724,365	732,010	NA	NA
Chemistry .....	502,080	538,731	556,614	543,688	538,160	557,111	NA	NA
Physics .....	1,474,342	1,644,949	1,607,500	1,600,628	1,495,115	1,507,490	NA	NA
Physical sciences, n.e.c. ....	105,146	85,471	57,628	99,383	73,970	66,415	NA	NA
Environmental sciences, total .....	1,274,810	1,263,526	1,303,634	1,533,470	1,505,927	1,473,207	1,512,734	1,496,014
Atmospheric sciences .....	443,719	448,972	435,242	635,122	691,432	694,057	NA	NA
Geological sciences .....	439,725	499,000	526,465	555,302	485,025	453,709	NA	NA
Oceanography .....	299,732	197,536	209,981	207,154	180,702	185,887	NA	NA
Environmental sciences, n.e.c. ....	91,634	118,018	131,946	135,892	148,768	139,554	NA	NA
Math & computer sciences, total .....	406,883	426,107	481,425	511,278	511,633	553,962	597,844	604,331
Mathematics .....	176,341	164,387	228,180	221,841	244,451	264,583	NA	NA
Computer sciences .....	225,209	223,516	247,731	284,334	243,092	264,292	NA	NA
Math & computer sci, n.e.c. ....	5,333	38,204	5,514	5,103	24,090	25,087	NA	NA
Engineering, total .....	1,101,528	1,233,711	1,249,819	1,207,405	1,320,025	1,468,073	1,392,499	1,453,230
Aeronautical .....	269,647	256,223	245,072	246,181	289,347	270,945	NA	NA
Astronautical .....	62,292	69,651	94,408	53,585	59,812	64,711	NA	NA
Chemical .....	75,849	101,672	104,955	72,784	67,485	65,511	NA	NA
Civil .....	47,264	59,251	53,376	38,671	56,632	71,144	NA	NA
Electrical .....	146,938	142,457	165,379	203,086	176,896	213,562	NA	NA
Mechanical .....	91,424	115,561	113,857	142,614	129,521	169,880	NA	NA
Metallurgy & materials .....	260,165	294,558	273,582	241,347	317,849	346,080	NA	NA
Engineering, n.e.c. ....	147,949	194,338	199,190	209,137	222,483	266,240	NA	NA
Social sciences, total .....	145,998	161,276	139,861	194,101	191,889	209,479	214,536	226,743
Anthropology .....	12,535	12,701	11,044	10,025	10,287	15,468	NA	NA
Economics .....	37,110	37,324	39,299	45,993	40,321	44,134	NA	NA
Political science .....	6,354	7,064	6,434	6,391	7,890	8,904	NA	NA
Sociology .....	24,170	28,241	10,202	11,080	14,323	14,976	NA	NA
Social sciences, n.e.c. ....	65,829	75,946	72,882	120,612	119,068	125,997	NA	NA
Other sciences, n.e.c. ....	302,266	545,640	399,437	510,135	465,615	406,924	419,029	428,544

**NOTE:** The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

**KEY:** NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)  
n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997